

WBS No: 1CAEAA01  
Activity ID: 1CAEAA100

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

WBS No:	1CAEAA01	Title:	Project Support									
Activity ID:	1CAEAA100	Description:	B771 / 774 Support Services, Project - FY00									
				Cost Risk		1		Schedule Risk		1		
Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
4X71PB00	Project Controls FY 2000	1.00	ea	EE	5,272	5,272	177,037	418,461	0	595,498	86,394	681,892
Total for Activity 1CAEAA100:						5,272	177,037	418,461	0	595,498	86,394	681,892

**Line Item 4X71PB00 - Project Controls FY 2000**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources			Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	659.19	Hours
Factors	1825	Hours	0.3612	(82/227 days applied to original	Kathy London			
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	K281S	Building 771 Closure Project	Linear	659.19	Hours
Factors	1825	Hours	Brian Larsen	0.3612	(82/227) Days			
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K264S	Procurement Systems	Linear	659.19	Hours
Factors	1825	Hours	Mark Lewis	0.3612	(82/227 days)			
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K264S	Procurement Systems	Linear	1,318.38	Hours
Factors	3650	Hours	Karen Downs & Lisa DeLeon	0.3612	(82/227 days)			
750	STRAIGHT TIME BASE	P040	COMMUNICATION SPECIALISTS	K281S	Building 771 Closure Project	Linear	328.69	Hours
Factors	910	Hours	ED Bodey	0.3612	(82/227) Days			
750	STRAIGHT TIME BASE	P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear	659.19	Hours
Factors	1825	Hours	Julie Bodkin	0.3612	(82/227 Days)			
750	STRAIGHT TIME BASE	P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear	659.19	Hours
Factors	1825	Hours	John Allen	0.3612	(82/227 Days)			
750	STRAIGHT TIME BASE	P110	PERSONNEL AND LABOR RELATIO	K281S	Building 771 Closure Project	Linear	328.69	Hours
Factors	910	Hours	Lonnie Casias	0.3612	(82/227) Days			
A57	LATA	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	54,053.58	Dollars
Factors	1825	Hours	82	Dollars per hour Don Hnath	0.3612	(82/227) Days		
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	45,484.11	Dollars
Factors	1825	Hours	69	Dollars per hour Gary Davis	0.3612	(82/227) Days		
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	15,423.24	Dollars
Factors	700	Hours	61	Dollars per hour Zarret	0.3612	(82/227 Days)		
A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Linear	43,344.00	Dollars
Factors	120000	Dollars		0.3612	(82/227 days applied to original			
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	29,663.55	Dollars
Factors	1825	Hours	45	Dollars per hour Mitch Stockdale	0.3612	(82/227) days		
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	49,439.25	Dollars
Factors	1825	Hours	75	Dollars per hour Dave Sprowles	0.3612	(82/227 Days)		
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	49,439.25	Dollars
Factors	1825	Hours	75	Dollars per hour Lead Planner	0.3612	(82/227) Days		
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	42,847.35	Dollars
Factors	1825	Hours	65	Dollars per hour Rudd	0.3612	(82/227 Days)		
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	65,919.00	Dollars
Factors	1825	Hours	100	Dollars per hr Sched	0.3612	82/227		

WBS No: 1CAEAA01  
Activity ID: 1CAEAA100

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

A5L	RENTALS	0000	NONE	K281S	Building 771 Closure Project	Linear	8,400.00	Dollars
Factors	350	Pagers	6	Dollars per month	4	Months		
A5M	TRAVEL/TRAIN/RELOCAT	0000	NONE	K281S	Building 771 Closure Project	Linear	14,448.00	Dollars
Factors	40000	Dollars	relocation	0.3612	82/227			

Activity ID: 1CAEAA101 Description: B771 / 774 Support Services, Project - FY01

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
4X71PB01	Project Controls FY 2001	1.00	each	HC	14,595	14,595	490,135	1,284,200	0	1,774,335	233,795	2,008,130
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	106,462	106,462	0	106,462
Total for Activity 1CAEAA101:						14,595	490,135	1,284,200	106,462	1,880,798	233,795	2,114,592

**Line Item 4X71PB01 - Project Controls FY 2001**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE		E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	1,825.00	Hours
Factors	1825	Hours		Kathy London						
750	STRAIGHT TIME BASE			M020	MANAGERS (GRADE 69 - 72)	K281S	Building 771 Closure Project	Linear	1,825.00	Hours
Factors	1825	Hours		Brian Larsen						
750	STRAIGHT TIME BASE			M030	MANAGEMENT INTEGRATORS (GR	K264S	Procurement Systems	Linear	1,825.00	Hours
Factors	1825	Hours		Mark Lewis						
750	STRAIGHT TIME BASE			P030	BUYERS PROCUREMENT AND CON	K264S	Procurement Systems	Linear	3,650.00	Hours
Factors	3650	Hours		Karen Downs & Lisa DeLeon						
750	STRAIGHT TIME BASE			P040	COMMUNICATION SPECIALISTS	K281S	Building 771 Closure Project	Linear	910.00	Hours
Factors	910	Hours		ED Bodey						
750	STRAIGHT TIME BASE			P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear	1,825.00	Hours
Factors	1825	Hours		Julie Bodkin						
750	STRAIGHT TIME BASE			P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear	1,825.00	Hours
Factors	1825	Hours		John Allen						
750	STRAIGHT TIME BASE			P110	PERSONNEL AND LABOR RELATIO	K281S	Building 771 Closure Project	Linear	910.00	Hours
Factors	910	Hours		Lonnie Casias						
A57	LATA			E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	149,650.00	Dollars
Factors	1825	Hours		82 Dollars per hour Don Hnath						
A57	LATA			P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	125,925.00	Dollars
Factors	1825	Hours		69 Dollars per hour Gary Davis						
A57	LATA			P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	42,700.00	Dollars
Factors	700	Hours		61 Dollars per hour Zarret						
A5C	SUPPLIES			0000	NONE	K281S	Building 771 Closure Project	Linear	120,000.00	Dollars
Factors	120000	Dollars								
A5H	SUBCONTRACTED SRVS			0000	NONE	K281S	Building 771 Closure Project	Linear	100,000.00	Dollars
Factors	100000	Dollars		DOP Revision						
A5H	SUBCONTRACTED SRVS			E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	82,125.00	Dollars
Factors	1825	Hours		45 Dollars per hour Mitch Stockdale						
A5H	SUBCONTRACTED SRVS			E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	136,875.00	Dollars
Factors	1825	Hours		75 Dollars per hour Dave Sprowles						

WBS No: 1CAEAA01  
Activity ID: 1CAEAA101

**Rocky Flats Closure Project**  
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Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*

Starts In FY \*

A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	142,350.00	Dollars
Factors	1825 Hours		78 Dollars per hour Rudd					
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	136,875.00	Dollars
Factors	1825 Hours		75 Dollars per hour Lead Planner					
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	182,500.00	Dollars
Factors	1825 Hours		100 Dollars per hr Sched					
A5L	RENTALS	0000	NONE	K281S	Building 771 Closure Project	Linear	25,200.00	Dollars
Factors	350 Pagers		6 Dollars per month		12 Months			
A5M	TRAVEL/TRAIN/RELOCAT	0000	NONE	K281S	Building 771 Closure Project	Linear	40,000.00	Dollars
Factors	40000 Dollars		relocation					

**Line Item SYS - Contingency And Escalation**

**BOE**

**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	64,235.91	Dollars
Factors	64235.9 Dollars							
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	42,226.48	Dollars
Factors	42226.5 Dollars							

Activity ID: 1CAEAA102 Description: B771 / 774 Support Services, Project - FY02

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
4X71PB02	Project Controls FY 2002	1.00	each	HC	14,595	14,595	525,248	1,184,200	0	1,709,448	185,413	1,894,861
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	283,212	283,212	0	283,212
Total for Activity 1CAEAA102:						14,595	525,248	1,184,200	283,212	1,992,661	185,413	2,178,073

**Line Item 4X71PB02 - Project Controls FY 2002**

**BOE**

Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning.  
Experience Item Desc -  
B-774 Project support as described in the activity description.  
Breakdown of Cost Data:  
Item - B-771 Project Controls as described in the activity description  
Units - lot  
Unit Cost = See Activity cost report  
Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	K281S	Building 771 Closure Project	Linear	1,825.00	Hours
Factors	1825 Hours		Tom Dieter					
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	K281S	Building 771 Closure Project	Linear	1,825.00	Hours
Factors	1825 Hours		Brian Larsen					
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K264S	Procurement Systems	Linear	1,825.00	Hours
Factors	1825 Hours		Mark Lewis					
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K264S	Procurement Systems	Linear	3,650.00	Hours
Factors	3650 Hours		Karen Downs & Lisa DeLeon					
750	STRAIGHT TIME BASE	P040	COMMUNICATION SPECIALISTS	K281S	Building 771 Closure Project	Linear	910.00	Hours
Factors	910 Hours		ED Bodey					
750	STRAIGHT TIME BASE	P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear	1,825.00	Hours
Factors	1825 Hours		Julie Bodkin					
750	STRAIGHT TIME BASE	P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear	1,825.00	Hours
Factors	1825 Hours		John Allen					
750	STRAIGHT TIME BASE	P110	PERSONNEL AND LABOR RELATIO	K281S	Building 771 Closure Project	Linear	910.00	Hours
Factors	910 Hours		Lonnie Casias					
A57	LATA	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	149,650.00	Dollars
Factors	1825 Hours		82 Dollars per hour Don Hnath					

WBS No: 1CAEAA01  
Activity ID: 1CAEAA102

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
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Starts In FY \*

A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	125,925.00	Dollars
Factors	1825	Hours	69	Dollars per hour Gary Davis				
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	42,700.00	Dollars
Factors	700	Hours	61	Dollars per hour Zarret				
A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Linear	120,000.00	Dollars
Factors	120000	Dollars						
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	82,125.00	Dollars
Factors	1825	Hours	45	Dollars per hour Mitch Stockdale				
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	136,875.00	Dollars
Factors	1825	Hours	75	Dollars per hour Dave Sprowles				
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	142,350.00	Dollars
Factors	1825	Hours	78	Dollars per hour Rudd				
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	136,875.00	Dollars
Factors	1825	Hours	75	Dollars per hour Lead Planner				
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	182,500.00	Dollars
Factors	1825	Hours	100	Dollars per hr Sched				
A5L	RENTALS	0000	NONE	K281S	Building 771 Closure Project	Linear	25,200.00	Dollars
Factors	350	Pagers	6	Dollars per month	12	Months		
A5M	TRAVEL/TRAIN/RELOCAT	0000	NONE	K281S	Building 771 Closure Project	Linear	40,000.00	Dollars
Factors	40000	Dollars		relocation				

**Line Item SYS - Contingency And Escalation**

**BOE**

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	194,662.50	Dollars
Factors	194663	Dollars							
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	88,549.59	Dollars
Factors	88549.6	Dollars							

Activity ID: 1CAEAA103 Description: B771 / 774 Support Services, Project - FY03

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
4X71PB03	Project Controls FY 2003	1.00	each	HC	11,676	11,676	392,108	947,360	0	1,339,468	135,669	1,475,138
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	408,977	408,977	0	408,977
Total for Activity 1CAEAA103:						11,676	392,108	947,360	408,977	1,748,445	135,669	1,884,115

**Line Item 4X71PB03 - Project Controls FY 2003**

**BOE**

Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning.  
Experience Item Desc -  
B-774 Project support as described in the activity description.  
Breakdown of Cost Data:  
Item - B-771 Project Controls as described in the activity description  
Units - lot  
Unit Cost = See Activity cost report  
Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	1,460.00	Hours
Factors	1825	Hours		Kathy London					
					0.8	Budget Cuts			
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	K281S	Building 771 Closure Project	Linear	1,460.00	Hours
Factors	1825	Hours		Brian Larsen					
					0.8	Budget Cuts			

WBS No: 1CAEAA01  
Activity ID: 1CAEAA103

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
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Starts In FY \*

750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K264S	Procurement Systems	Linear	1,460.00	Hours
Factors	1825	Hours	Mark Lewis		0.8 Budget Cuts			
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K264S	Procurement Systems	Linear	2,920.00	Hours
Factors	3650	Hours	Karen Downs & Lisa DeLeon		0.8 Budget Cuts			
750	STRAIGHT TIME BASE	P040	COMMUNICATION SPECIALISTS	K281S	Building 771 Closure Project	Linear	728.00	Hours
Factors	910	Hours	ED Bodey		0.8 Budget Cuts			
750	STRAIGHT TIME BASE	P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear	1,460.00	Hours
Factors	1825	Hours	Julie Bodkin		0.8 Budget Cuts			
750	STRAIGHT TIME BASE	P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear	1,460.00	Hours
Factors	1825	Hours	John Allen		0.8 Budget Cuts			
750	STRAIGHT TIME BASE	P110	PERSONNEL AND LABOR RELATIO	K281S	Building 771 Closure Project	Linear	728.00	Hours
Factors	910	Hours	Lonnie Casias		0.8 Budget Cuts			
A57	LATA	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	119,720.00	Dollars
Factors	1825	Hours	82 Dollars per hour Don Hnath		0.8 Budget Cuts			
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	100,740.00	Dollars
Factors	1825	Hours	69 Dollars per hour Gary Davis		0.8 Budget Cuts			
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	34,160.00	Dollars
Factors	700	Hours	61 Dollars per hour Zarret		0.8 Budget Cuts			
A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Linear	96,000.00	Dollars
Factors	120000	Dollars			0.8 Budget Cuts			
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	65,700.00	Dollars
Factors	1825	Hours	45 Dollars per hour Mitch Stockdale		0.8 Budget Cuts			
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	109,500.00	Dollars
Factors	1825	Hours	75 Dollars per hour Dave Sprowles		0.8 Budget Cuts			
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	113,880.00	Dollars
Factors	1825	Hours	78 Dollars per hour Rudd		0.8 Budget Cuts			
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	109,500.00	Dollars
Factors	1825	Hours	75 Dollars per hour Lead Planner		0.8 Budget Cuts			
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	146,000.00	Dollars
Factors	1825	Hours	100 Dollars per hr Sched		0.8 Budget Cuts			
A5L	RENTALS	0000	NONE	K281S	Building 771 Closure Project	Linear	20,160.00	Dollars
Factors	350	Pagers	6 Dollars per month		12 Months			
A5M	TRAVEL/TRAIN/RELOCAT	0000	NONE	K281S	Building 771 Closure Project	Linear	32,000.00	Dollars
Factors	40000	Dollars	relocation		0.8 Budget Cuts			

Line Item SYS - Contingency And Escalation  
BOE

WBS No: 1CAEAA01  
Activity ID: 1CAEAA103

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

Resources		Cost Element	Skill		Department		Curve	Quantity	Units
CON	CONTINGENCY		0000	NONE	ZDEPT	No Department	Linear	295,855.80	Dollars
Factors		295856	Dollars						
ESC	ESCALATION		0000	NONE	ZDEPT	No Department	Linear	113,121.30	Dollars
Factors		113121	Dollars						

Activity ID: 1CAEAA104 Description: B771 / 774 Support Services, Project - FY04

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
4X71PB04	Project Controls FY 2004	1.00	each	HC	4,802	4,802	149,799	211,935	0	361,734	42,243	403,977
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	57,683	57,683	0	57,683
Total for Activity 1CAEAA104:						4,802	149,799	211,935	57,683	419,417	42,243	461,660

**Line Item 4X71PB04 - Project Controls FY 2004**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources		Cost Element	Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear		325.98	Hours
Factors		1825	Hours		Kathy London				
						0.229 (52/227) days			
						0.78 Budget Cuts			
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	K281S	Building 771 Closure Project	Linear		325.98	Hours
Factors		1825	Hours		Brian Larsen				
						0.229 (52/227) days			
						0.78 Budget Cuts			
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K264S	Procurement Systems	Linear		325.98	Hours
Factors		1825	Hours		Mark Lewis				
						0.229 (52/227) days			
						0.78 Budget Cuts			
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K264S	Procurement Systems	Linear		2,847.00	Hours
Factors		3650	Hours		Karen Downs & Lisa DeLeon				
						0.78 Budget Cuts			
750	STRAIGHT TIME BASE	P040	COMMUNICATION SPECIALISTS	K281S	Building 771 Closure Project	Linear		162.54	Hours
Factors		910	Hours		ED Bodey				
						0.229 (52/227) days			
						0.78 Budget Cuts			
750	STRAIGHT TIME BASE	P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear		325.98	Hours
Factors		1825	Hours		Julie Bodkin				
						0.229 (52/227) days			
						0.78 Budget Cuts			
750	STRAIGHT TIME BASE	P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear		325.98	Hours
Factors		1825	Hours		John Allen				
						0.229 (52/227) days			
						0.78 Budget Cuts			
750	STRAIGHT TIME BASE	P110	PERSONNEL AND LABOR RELATIO	K281S	Building 771 Closure Project	Linear		162.54	Hours
Factors		910	Hours		Lonnie Casias				
						0.229 (52/227) days			
						0.78 Budget Cuts			
A57	LATA	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear		26,730.48	Dollars
Factors		1825	Hours		82 Dollars per hour Don Hnath				
						0.229 (52/227) days			
						0.78 Budget Cuts			
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear		22,492.72	Dollars
Factors		1825	Hours		69 Dollars per hour Gary Davis				
						0.229 (52/227) days			
						0.78 Budget Cuts			



WBS No: 1CAEAA01  
Activity ID: 1CAEAA104

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	7,627.07	Dollars
Factors	700 Hours	61	Dollars per hour Zarret	0.229	(52/227) days			
				0.78	Budget Cuts			
A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Linear	21,434.40	Dollars
Factors	120000 Dollars			0.229	(52/227) days			
				0.78	Budget Cuts			
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	14,669.17	Dollars
Factors	1825 Hours	45	Dollars per hour Mitch Stockdale	0.229	(52/227) days			
				0.78	Budget Cuts			
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	24,448.61	Dollars
Factors	1825 Hours	75	Dollars per hour Dave Sproles	0.229	(52/227) days			
				0.78	Budget Cuts			
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	24,448.61	Dollars
Factors	1825 Hours	75	Dollars per hour Lead Planner	0.229	(52/227) days			
				0.78	Budget Cuts			
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	32,598.15	Dollars
Factors	1825 Hours	100	Dollars per hr Sched	0.229	52/227			
				0.78	Budget Cuts			
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	25,426.56	Dollars
Factors	1825 Hours	78	Dollars per hour Rudd	0.229	(52/227) days			
				0.78	Budget Cuts			
A5L	RENTALS	0000	NONE	K281S	Building 771 Closure Project	Linear	4,914.00	Dollars
Factors	350 Pagers	6	Dollars per month	3	Months			
				0.78	Budget Cuts			
A5M	TRAVEL/TRAIN/RELOCAT	0000	NONE	K281S	Building 771 Closure Project	Linear	7,144.80	Dollars
Factors	40000 Dollars		relocation	0.229	52/227			
				0.78	Budget Cuts			

**Line Item SYS - Contingency And Escalation**

**BOE**

**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	18,894.43	Dollars
Factors	18894.4 Dollars							
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	38,788.38	Dollars
Factors	38788.4 Dollars							

Activity ID: 1CAEAA1A1

Description: B771 SBA Special Projects

Cost Risk 4 Schedule Risk 4

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
4SSBA205	Assemble Drops	1.00	each	EE	1,200	1,200	26,160	6,800	0	32,960	16,350	49,310
4SSBA215	Const/Test SBA Distribution & Demo Calss D Air	1.00	each	EE	6,000	6,000	130,800	30,300	0	161,100	81,750	242,850
4SSBA401	Develop Procedures for SBA System Operations	1.00	each	EE	0	0	0	30,000	0	30,000	0	30,000
4SSBA402	Train SOEs for Maintenance	1.00	each	EE	40	40	829	2,800	0	3,629	404	4,033
4SSBA403	Develop PMO for Compressor Maintenance	1.00	each	EE	0	0	0	16,000	0	16,000	0	16,000
4SSBA550	Conduct Performance Testing	1.00	each	EE	640	640	13,566	23,000	0	36,566	7,456	44,022
4SSBA600	Project Management	1.00	each	EE	0	0	0	10,000	0	10,000	0	10,000
Total for Activity 1CAEAA1A1:						7,880	171,355	118,900	0	290,255	105,961	396,216

**Line Item 4SSBA205 - Assemble Drops**

**BOE**

Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning.  
Experience Item Desc - B-771 Supplied Breathing Air  
Breakdown of Cost Data:  
Item - B-771 Project Controls Special Project as described in the activity description  
Units - lot  
Unit Cost = See Activity cost report

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A1

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KC20C	Building Trades Proj C Estimating Only	Linear	1,200.00	Hours
	Factors 1200 Hours								
	A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	KC20C	Building Trades Proj C Estimating Only	Linear	6,800.00	Dollars
Factors 6800 dollars									

**Line Item 4SSBA215 - Const/Test SBA Distribution & Demo Calss D Air**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Supplied Breathing Air Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KC20C	Building Trades Proj C Estimating Only	Linear	6,000.00	Hours
	Factors 6000 hours								
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	15,000.00	Dollars
Factors 15000 dollars									
Resources	A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	KC20C	Building Trades Proj C Estimating Only	Linear	15,300.00	Dollars
	Factors 15300 dollars								

**Line Item 4SSBA401 - Develop Procedures for SBA System Operations**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Supplied Breathing Air Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	P160	TECHNICAL WRITERS AND EDITOR	K281S	Building 771 Closure Project	Linear	30,000.00	Dollars
Factors 30000 dollars									

**Line Item 4SSBA402 - Train SOEs for Maintenance**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Supplied Breathing Air Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	R070	WASTE TREATMENT OPERATOR A	KC10H	771 Complex Steelworkers	Linear	40.00	Hours
	Factors 40 hours								
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Linear	2,800.00	Dollars
Factors 2800 dollars									



WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A1

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

**Line Item 4SSBA403 - Develop PMO for Compressor Maintenance**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Supplied Breathing Air Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources		Cost Element	Skill	Department	Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S Building 771 Closure Project	Linear	6,000.00	Dollars
Factors		6000 DOLLARS					
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S Building 771 Closure Project	Linear	10,000.00	Dollars
Factors		10000 dollars					

**Line Item 4SSBA550 - Conduct Performance Testing**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Supplied Breathing Air Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KC20C Building Trades Proj C Estimating Only	Linear	280.00	Hours
Factors		280 hours					
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H 771 Complex Steelworkers	Linear	280.00	Hours
Factors		280 hours					
750	STRAIGHT TIME BASE	R070	WASTE TREATMENT OPERATOR A	KC10H 771 Complex Steelworkers	Linear	80.00	Hours
Factors		80 hours					
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S Building 771 Closure Project	Linear	9,000.00	Dollars
Factors		9000 DOLLARS					
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	KC20C Building Trades Proj C Estimating Only	Linear	14,000.00	Dollars
Factors		14000 dollars					

**Line Item 4SSBA600 - Project Management**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Supplied Breathing Air Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources		Cost Element	Skill	Department	Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	KC20C Building Trades Proj C Estimating Only	Linear	10,000.00	Dollars
Factors		10000 Dollars					

Activity ID: 1CAEAA1A2 Description: B771 Special Projects (ITC 1-2)

Cost Risk 4 Schedule Risk 4

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
4SSR0885B	Install Chamber in Tent and Connect Ventilation	1.00	each		1,500	1,500	32,623	22,000	0	54,623	20,390	75,013

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A2

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

4SSR0890B	Air Flow Test of Chamber	1.00	each		120	120	2,490	7,000	0	9,490	1,188	10,678
4SSR0900B	Containment Tent Procurement	1.00	each		0	0	0	12,000	0	12,000	0	12,000
4SSR0905B	AHUs (2) Procurement & Delivery	1.00	each		0	0	0	24,000	0	24,000	0	24,000
4SSR0915B	Parts Refab	1.00	each		65	65	1,347	0	0	1,347	643	1,990
4SSR0920B	EO/IWCP Development & Approval	1.00	each		0	0	0	5,000	0	5,000	0	5,000
4SSR0925B	Install Contract RFP (SOW)/Bid Eval/Award	1.00	each		0	0	0	6,000	0	6,000	0	6,000
4SSR0930B	Develop Procedure	1.00	each		30	30	622	15,000	0	15,622	297	15,919
4SSR0935B	Train Oprators	1.00	each		480	480	9,950	12,000	0	21,950	4,746	26,697
4SSR0940B	Dev Internal Demonstration Plan of Action	1.00	each		40	40	1,049	0	0	1,049	500	1,550
4SSR0945B	Demonstration Plan of Action Approval	1.00	each		40	40	1,049	0	0	1,049	500	1,550
4SSR0950B	Assemble Internal Review Team	1.00	each		60	60	2,557	0	0	2,557	1,219	3,776
4SSR0955B	Perform Demonstration (Plasma Arc Cold Cut)	1.00	each		300	300	12,183	0	0	12,183	5,811	17,994
4SSR0960B	Review Demonstration Results	1.00	each		180	180	5,319	0	0	5,319	2,537	7,857
4SSR0965B	Implement Corrective Actions	1.00	each		200	200	4,421	7,000	0	11,421	2,109	13,530
4SSR0975B	Dev K-H Readiness Assessment Plan of Action	1.00	each		40	40	1,049	0	0	1,049	500	1,550
4SSR0980B	K-H Readiness Assessment Approval	1.00	each		40	40	1,049	0	0	1,049	500	1,550
4SSR0985B	Assemble K-H Review Team	1.00	each		60	60	2,557	0	0	2,557	1,219	3,776
4SSR0990B	Perform Readiness Demonstration (Cold Cut)	1.00	each		720	720	19,577	0	0	19,577	9,338	28,915
4SSR0995B	Issue Readiness Assessment Results Report	1.00	each		100	100	4,261	0	0	4,261	2,032	6,293
4SSR1000B	Implement Corrective Actions (Pre-Start)	1.00	each		200	200	4,421	7,000	0	11,421	2,109	13,530
4SSR1020B	Project Management	1.00	each		0	0	0	70,000	0	70,000	0	70,000
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	3,299	3,299	0	3,299
Total for Activity 1CAEAA1A2:						4,175	106,526	187,000	3,299	296,825	55,641	352,466

**Line Item 4SSR0885B - Install Chamber in Tent and Connect Ventilation**

<b>BOE</b>	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C020 ELECTRICIANS	KC20C Building Trades Proj C Estimating Only	Ultra Backload	450.00	Hours
Factors	450 Hours					
	750 STRAIGHT TIME BASE	C080 PLUMBERS AND PIPEFITTERS	KC20C Building Trades Proj C Estimating Only	Ultra Backload	1,050.00	Hours
Factors	1050 Hours					
	A5H SUBCONTRACTED SRVS	E070 MECHANICAL ENGINEERS	K281S Building 771 Closure Project	Ultra Backload	10,000.00	Dollars
Factors	10000 Dollars					
	A5H SUBCONTRACTED SRVS	M010 FOREMEN / TEAM LEADS / GROUP	KC20C Building Trades Proj C Estimating Only	Ultra Backload	12,000.00	Dollars
Factors	12000 Dollars					

**Line Item 4SSR0890B - Air Flow Test of Chamber**

<b>BOE</b>	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A2

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*

Starts In FY \*

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KC10H	771 Complex Steelworkers	Ultra Backload	120.00	Hours
Factors	120	Hours						
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	2,000.00	Dollars
Factors	2000	Dollars						
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	1,000.00	Dollars
Factors	1000	Dollars						
A5H	SUBCONTRACTED SRVS	P080	HEALTH PHYSICISTS	K281S	Building 771 Closure Project	Ultra Backload	4,000.00	Dollars
Factors	4000	Dollars						

**Line Item 4SSR0900B - Containment Tent Procurement**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A5C	SUPPLIES	0000 NONE	K281S Building 771 Closure Project	Ultra Backload	12,000.00	Dollars
Factors	12000	Dollars				

**Line Item 4SSR0905B - AHUs (2) Procurement & Delivery**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A5C	SUPPLIES	0000 NONE	K281S Building 771 Closure Project	Ultra Backload	24,000.00	Dollars
Factors	24000	Dollars				

**Line Item 4SSR0915B - Parts Refab**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120 D&D SKILLED TRADES	KC10H 771 Complex Steelworkers	Ultra Backload	65.00	Hours
Factors	65	Hours				

**Line Item 4SSR0920B - EO/IWCP Development & Approval**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A2

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter

Baseline\_Devl  
1CAE  
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Starts In FY \*

Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A						
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	E040	ELECTRICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	2,000.00	Dollars
	Factors 2000 Dollars								
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	3,000.00	Dollars
	Factors 3000 Dollars								

**Line Item 4SSR0925B - Install Contract RFP (SOW)/Bid Eval/Award**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	6,000.00	Dollars
	Factors	6000	Dollars						

**Line Item 4SSR0930B - Develop Procedure**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE		C120	D&D SKILLED TRADES		KC10H	771 Complex Steelworkers	Ultra Backload	30.00Hours
	Factors	30 Hours								
	A5H	SUBCONTRACTED SRVS		P160	TECHNICAL WRITERS AND EDITOR		K281S	Building 771 Closure Project	Ultra Backload	15,000.00Dollars
	Factors	15000 Dollars								

**Line Item 4SSR0935B - Train Oprators**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	480.00	Hours
	Factors	480	Hours						
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Ultra Backload	12,000.00	Dollars
	Factors	12000	Dollars						

**Line Item 4SSR0940B - Dev Internal Demonstration Plan of Action**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low								
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A2

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning.  
Experience Item Desc - B-771 Inner Tent Chamber 1-2  
Breakdown of Cost Data:  
Item - B-771 Project Controls Special Project as described in the activity description  
Units - lot  
Unit Cost = See Activity cost report  
Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors	40	Hours						

**Line Item 4SSR0945B - Demonstration Plan of Action Approval**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors	40	Hours						

**Line Item 4SSR0950B - Assemble Internal Review Team**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K244S	Indep Oversight & Quality Assurance	Ultra Backload	60.00	Hours
	Factors	60	Hours						

**Line Item 4SSR0955B - Perform Demonstration (Plasma Arc Cold Cut)**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources												
	Cost Element			Skill		Department		Curve	Quantity	Units		
	750	STRAIGHT TIME BASE		M010	FOREMEN / TEAM LEADS / GROUP		K281S	Building 771 Closure Project		Ultra Backload	40.00	Hours
	Factors	40	Hours									
	750	STRAIGHT TIME BASE		M030	MANAGEMENT INTEGRATORS (GR		K244S	Indep Oversight & Quality Assurance		Ultra Backload	200.00	Hours
Factors	200	Hours										

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A2

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*

Starts In FY \*

750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K244S	Indep Oversight & Quality Assurance	Ultra Backload	60.00	Hours
Factors	60	Hours						

**Line Item 4SSR0960B - Review Demonstration Results**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A							
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	80.00	Hours
Factors	80	Hours							
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project		Ultra Backload	40.00	Hours
Factors	40	Hours							
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K244S	Indep Oversight & Quality Assurance		Ultra Backload	60.00	Hours
Factors	60	Hours							

**Line Item 4SSR0965B - Implement Corrective Actions**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A							
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	160.00	Hours
	Factors	160	Hours						
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors	40	Hours						
	A5H	SUBCONTRACTED SRVS	E040	ELECTRICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	1,500.00	Dollars
	Factors	1500	Dollars						
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	3,000.00	Dollars
	Factors	3000	Dollars						
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Ultra Backload	2,500.00	Dollars
Factors	2500	Dollars							

**Line Item 4SSR0975B - Dev K-H Readiness Assessment Plan of Action**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A							
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors	40	Hours						

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A2

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

**Line Item 4SSR0980B - K-H Readiness Assessment Approval**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A					
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors	40	Hours						

**Line Item 4SSR0985B - Assemble K-H Review Team**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A					
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K244S	Indep Oversight & Quality Assurance	Ultra Backload	60.00	Hours
	Factors	60	Hours						

**Line Item 4SSR0990B - Perform Readiness Demonstration (Cold Cut)**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A					
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	480.00	Hours
	Factors	480	Hours						
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors	40	Hours						
	750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K244S	Indep Oversight & Quality Assurance	Ultra Backload	200.00	Hours
	Factors	200	Hours						

**Line Item 4SSR0995B - Issue Readiness Assessment Results Report**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A					
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Resources		Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A2

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*

Starts In FY \*

750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K244S	Indep Oversight & Quality Assurance	Ultra Backload	100.00	Hours
<i>Factors</i> 100 Hours								

**Line Item 4SSR1000B - Implement Corrective Actions (Pre-Start)**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A							
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	160.00	Hours
	Factors	160	Hours						
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors	40	Hours						
	A5H	SUBCONTRACTED SRVS	E040	ELECTRICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	1,500.00	Dollars
	Factors	1500	Dollars						
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	3,000.00	Dollars
	Factors	3000	Dollars						
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Ultra Backload	2,500.00	Dollars
Factors	2500	Dollars							

**Line Item 4SSR1020B - Project Management**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 1-2 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A							
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	E040	ELECTRICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	20,000.00	Dollars
	Factors	20000 Dollars							
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	30,000.00	Dollars
	Factors	30000 Dollars							
	A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	20,000.00	Dollars
	Factors	20000 Dollars							

**Line Item SYS - Contingency And Escalation**

BOE										
Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY		0000	NONE	ZDEPT	No Department	Ultra Backload	1,960.60	Dollars
	Factors 1960.60 Dollars									
	ESC	ESCALATION		0000	NONE	ZDEPT	No Department	Ultra Backload	1,338.06	Dollars
	Factors 1338.06 Dollars									

Activity ID: 1CAEAA1A3 Description: B771 Special Projects (ITC 2-1)

Cost Risk 4 Schedule Risk 4

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
4SSR0005	Project Management	1.00	each		0	0	0	170,000	0	170,000	0	170,000
4SSR0551	Vendor Fabrication - Containment Tent	1.00	each		0	0	0	13,000	0	13,000	0	13,000
4SSR0627	Vendor Fabrication - Lift Tables	1.00	each		0	0	0	39,000	0	39,000	0	39,000

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*

Starts In FY \*

4SSR0641	SWB Lift Tables Procurement/Delivery/Install.	1.00	each			0	0	0	15,000	0	15,000	0	15,000
4SSR0738	In-Process Inspections - ROA	1.00	each			0	0	0	3,000	0	3,000	0	3,000
4SSR0740	Fabricate - ROA	1.00	each			0	0	0	260,000	0	260,000	0	260,000
4SSR0750	Demonstration and Training - ROA on B776 ITC	1.00	each			0	0	0	140,000	0	140,000	0	140,000
4SSR0887	Vendor Fab & Ship AHU1 - Vent/Dust Collector	1.00	each			0	0	0	36,000	0	36,000	0	36,000
4SSR0897	Vendor Fab & Ship AHU2 - Vent/Dust Collector	1.00	each			0	0	0	36,000	0	36,000	0	36,000
4SSR1080	Develop & Approve Installation IWCP	1.00	each			0	0	0	8,000	0	8,000	0	8,000
4SSR1120	Develop SO Test IWCP	1.00	each			0	0	0	10,000	0	10,000	0	10,000
4SSR1130	Review & Approve SO Test & IWCP	1.00	each			0	0	0	6,000	0	6,000	0	6,000
4SSR1190	Demolition Prerequisites	1.00	each			80	80	1,717	0	0	1,717	1,073	2,790
4SSR1200	Fab & Complete Demo	1.00	each			725	725	15,673	0	0	15,673	9,796	25,469
4SSR1250	Staff & Mobilize	1.00	each			0	0	0	4,000	0	4,000	0	4,000
4SSR1260	Installation Prerequisites	1.00	each			0	0	0	3,000	0	3,000	0	3,000
4SSR1270	Installation	1.00	each			3,720	3,720	80,362	36,000	0	116,362	50,226	166,588
4SSR1280	Install. Test & Inspection	1.00	each			0	0	0	3,000	0	3,000	0	3,000
4SSR1290	Patch, Paint & Punchlist	1.00	each			80	80	1,574	0	0	1,574	984	2,557
4SSR1300	SO Test Prerequisites	1.00	each			40	40	1,104	0	0	1,104	690	1,795
4SSR1320	Perform SO Test	1.00	each			240	240	5,896	4,000	0	9,896	2,812	12,708
4SSR1350	Fabricate B771 ITC	1.00	each			0	0	0	268,000	0	268,000	0	268,000
4SSR1400	Mock-up 776 ITC & Arms (with Plasma Arc)	1.00	each			100	100	2,245	0	0	2,245	1,173	3,418
4SSR1410	Develop Plasma Arc Procedures	1.00	each			0	0	0	6,000	0	6,000	0	6,000
4SSR1420	Develop Remote Operated Arm Procedures	1.00	each			0	0	0	6,000	0	6,000	0	6,000
4SSR1430	Develop ITC Component Procedures	1.00	each			0	0	0	6,000	0	6,000	0	6,000
4SSR1450	Develop Training Materials	1.00	each			0	0	0	36,000	0	36,000	0	36,000
4SSR1460	Prepare JTA & JHA	1.00	each			0	0	0	12,000	0	12,000	0	12,000
4SSR1480	Witness ITC Assembly (B771)	1.00	each			240	240	5,396	0	0	5,396	3,373	8,769
4SSR1500	ITC Component Training for B771	1.00	each			480	480	9,950	0	0	9,950	4,746	14,697
4SSR1510	ITC Component Training for B776	1.00	each			380	380	7,877	0	0	7,877	3,758	11,635
4SSR1520	ROA Oper. & Mtce Training - Group 1	1.00	each			320	320	7,184	6,000	0	13,184	3,427	16,611
4SSR1530	ROA Oper. & Mtce Training - Group 2	1.00	each			320	320	7,184	6,000	0	13,184	3,427	16,611
4SSR1540	Witness ROA Installation in B776 ITC	1.00	each			120	120	2,763	5,200	0	7,963	1,481	9,444
4SSR1600	Finalize Procedures/Ops Orders Plasma Arc	1.00	each			0	0	0	6,000	0	6,000	0	6,000
4SSR1610	Finalize Procedures/Ops Orders ROA	1.00	each			0	0	0	6,000	0	6,000	0	6,000
4SSR1620	Finalize Procedures/Ops Orders ITC Operation	1.00	each			0	0	0	6,000	0	6,000	0	6,000
4SSR1630	Review Procedures/Ops Orders	1.00	each			160	160	3,592	6,000	0	9,592	1,713	11,305
4SSR1640	Complete JHA	1.00	each			120	120	4,061	4,000	0	8,061	1,937	9,998
4SSR1700	Develop Qualification Standards	1.00	each			0	0	0	4,000	0	4,000	0	4,000
4SSR1710	Develop Training Materials	1.00	each			0	0	0	4,000	0	4,000	0	4,000
4SSR1730	Verify/Qualify Operators to ITC Qualif. Standrds	1.00	each			0	0	0	4,000	0	4,000	0	4,000
4SSR1740	Train to Procedures	1.00	each			0	0	0	4,000	0	4,000	0	4,000
4SSR1750	Level of Knowledge Interviews	1.00	each			0	0	0	2,000	0	2,000	0	2,000
4SSR1780	Develop Internal Demonstration Plan of Action	1.00	each			40	40	1,049	0	0	1,049	500	1,550
4SSR1790	Plan of Action Approval	1.00	each			40	40	1,049	0	0	1,049	500	1,550
4SSR1800	Assemble Review Team	1.00	each			40	40	1,049	0	0	1,049	500	1,550
4SSR1810	Perform Demonstration (Plasma Arc Cold Cut)	1.00	each			720	720	19,577	0	0	19,577	9,338	28,915
4SSR1820	Review Demonstration Results	1.00	each			180	180	5,319	0	0	5,319	2,537	7,857
4SSR1830	Implement Corrective Actions	1.00	each			200	200	4,421	7,000	0	11,421	2,109	13,530
4SSR1860	Develop Readiness Assessment Plan of Action	1.00	each			40	40	1,049	0	0	1,049	500	1,550
4SSR1870	Readiness Assessment Approval	1.00	each			40	40	1,049	0	0	1,049	500	1,550
4SSR1880	Assemble Review Team	1.00	each			60	60	2,557	0	0	2,557	1,219	3,776
4SSR1890	Perform Readiness Assmnt (Plasma Arc Hot Cut)	1.00	each			720	720	19,577	0	0	19,577	9,338	28,915
4SSR1900	Issue Assessment Results Report	1.00	each			100	100	4,261	0	0	4,261	2,032	6,293
4SSR1910	Implement Corrective Actions (Prestart)	1.00	each			200	200	4,421	7,000	0	11,421	2,109	13,530

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	36,088	36,088	0	36,088
Total for Activity 1CAEAA1A3:						9,505	221,957	1,197,200	36,088	1,455,245	121,801	1,577,047

**Line Item 4SSR0005 - Project Management**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources			Cost Element		Skill		Department		Curve	Quantity	Units
			A5H	SUBCONTRACTED SRVS	E020	CIVIL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	40,000.00	Dollars
			Factors 40000 Dollars								
			A5H	SUBCONTRACTED SRVS	E040	ELECTRICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	60,000.00	Dollars
			Factors 60000 Dollars								
			A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	30,000.00	Dollars
			Factors 30000 Dollars								
			A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	40,000.00	Dollars
			Factors 40000 Dollars								

**Line Item 4SSR0551 - Vendor Fabrication - Containment Tent**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources			Cost Element		Skill		Department		Curve	Quantity	Units
			A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Ultra Backload	13,000.00	Dollars
			Factors 13000 Dollars								

**Line Item 4SSR0627 - Vendor Fabrication - Lift Tables**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources			Cost Element		Skill		Department		Curve	Quantity	Units
			A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Ultra Backload	39,000.00	Dollars
			Factors 39000 Dollars								

**Line Item 4SSR0641 - SWB Lift Tables Procurement/Delivery/Install.**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot											
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A					
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
		A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Ultra Backload	15,000.00	Dollars
		Factors 15000 Dollars								

**Line Item 4SSR0738 - In-Process Inspections - ROA**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A									
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
		A5H	SUBCONTRACTED SRVS	E040	ELECTRICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	3,000.00	Dollars
		Factors 3000 Dollars								

**Line Item 4SSR0740 - Fabricate - ROA**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A									
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
		A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Ultra Backload	260,000.00	Dollars
		Factors 260000 Dollars								

**Line Item 4SSR0750 - Demonstration and Training - ROA on B776 ITC**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A									
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
		A5H	SUBCONTRACTED SRVS	0000	NONE	K281S	Building 771 Closure Project	Ultra Backload	140,000.00	Dollars
		Factors 140000 Dollars								

**Line Item 4SSR0887 - Vendor Fab & Ship AHU1 - Vent/Dust Collector**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A									
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter

Baseline\_Devel  
1CAE  
\*

Starts In FY \*

Revised Unit Cost - N/A Basis for adjustment - N/A						
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5C		SUPPLIES		0000 NONE		K281S Building 771 Closure Project		Ultra Backload	36,000.00	Dollars

Factors 36000 Dollars

**Line Item 4SSR0897 - Vendor Fab & Ship AHU2 - Vent/Dust Collector**

BOE		Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5C		SUPPLIES		0000 NONE		K281S Building 771 Closure Project		Ultra Backload	36,000.00	Dollars

Factors 36000 Dollars

**Line Item 4SSR1080 - Develop & Approve Installation IWCP**

BOE		Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5H		SUBCONTRACTED SRVS		P070 COST ESTIMATORS PLANNERS AN		K281S Building 771 Closure Project		Ultra Backload	8,000.00	Dollars

Factors 8000 Dollars

**Line Item 4SSR1120 - Develop SO Test IWCP**

BOE		Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5H		SUBCONTRACTED SRVS		P070 COST ESTIMATORS PLANNERS AN		K281S Building 771 Closure Project		Ultra Backload	10,000.00	Dollars

Factors 10000 Dollars

**Line Item 4SSR1130 - Review & Approve SO Test & IWCP**

BOE		Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter

Baseline\_Devel  
1CAE  
\*

Starts In FY \*

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	6,000.00	Dollars

Factors 6000 Dollars

**Line Item 4SSR1190 - Demolition Prerequisites**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	80.00	Hours

Factors 80 Hours

**Line Item 4SSR1200 - Fab & Complete Demo**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	225.00	Hours

Factors 225 Hours

750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	225.00	Hours
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Factors 225 Hours

750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	275.00	Hours
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Factors 275 Hours

**Line Item 4SSR1250 - Staff & Mobilize**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	4,000.00	Dollars

Factors 4000 Dollars

**Line Item 4SSR1260 - Installation Prerequisites**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	3,000.00	Dollars		
Factors		3000	Dollars							

**Line Item 4SSR1270 - Installation**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A									
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	720.00	Hours		
Factors		720	Hours							
750	STRAIGHT TIME BASE	C080	PLUMBERS AND PIPEFITTERS	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	1,200.00	Hours		
Factors		1200	Hours							
750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	1,800.00	Hours		
Factors		1800	Hours							
A5H	SUBCONTRACTED SRVS	M010	FOREMEN / TEAM LEADS / GROUP	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	36,000.00	Dollars		
Factors		36000	Dollars							

**Line Item 4SSR1280 - Install. Test & Inspection**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A									
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	3,000.00	Dollars		
Factors		3000	Dollars							

**Line Item 4SSR1290 - Patch, Paint & Punchlist**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A									
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C070	PAINTERS	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	80.00	Hours		
Factors		80	Hours							

**Line Item 4SSR1300 - SO Test Prerequisites**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning.									
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

Experience Item Desc - B-771 Inner Tent Chamber 2-1  
Breakdown of Cost Data:  
Item - B-771 Project Controls Special Project as described in the activity description  
Units - lot  
Unit Cost = See Activity cost report  
Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources		Cost Element		Skill		Department		Curve	Quantity	Units
	750		STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	40.00	Hours
	Factors		40	Hours						

**Line Item 4SSR1320 - Perform SO Test**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A									
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
	750		STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	160.00	Hours
	Factors		160	Hours						
	750		STRAIGHT TIME BASE	E110	QUALITY CONTROL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors		40	Hours						
	750		STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors		40	Hours						
	A5H		SUBCONTRACTED SRVS	E040	ELECTRICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	2,000.00	Dollars
	Factors		2000	Dollars						
	A5H		SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	2,000.00	Dollars
	Factors		2000	Dollars						

**Line Item 4SSR1350 - Fabricate B771 ITC**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A									
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
	A5C		SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Ultra Backload	268,000.00	Dollars
	Factors		268000	Dollars						

**Line Item 4SSR1400 - Mock-up 776 ITC & Arms (with Plasma Arc)**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A									
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*

Starts In FY \*

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	75.00	Hours
Factors 75 Hours									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	25.00	Hours
Factors 25 Hours									

**Line Item 4SSR1410 - Develop Plasma Arc Procedures**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	P160	TECHNICAL WRITERS AND EDITOR	K281S	Building 771 Closure Project	Ultra Backload	6,000.00	Dollars
Factors 6000 Dollars									

**Line Item 4SSR1420 - Develop Remote Operated Arm Procedures**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	P160	TECHNICAL WRITERS AND EDITOR	K281S	Building 771 Closure Project	Ultra Backload	6,000.00	Dollars
Factors 6000 Dollars									

**Line Item 4SSR1430 - Develop ITC Component Procedures**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	P160	TECHNICAL WRITERS AND EDITOR	K281S	Building 771 Closure Project	Ultra Backload	6,000.00	Dollars
Factors 6000 Dollars									

**Line Item 4SSR1450 - Develop Training Materials**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*

Starts In FY \*

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Ultra Backload	36,000.00	Dollars

Factors 36000 Dollars

**Line Item 4SSR1460 - Prepare JTA & JHA**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Ultra Backload	8,000.00	Dollars

Factors 8000 Dollars

A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Ultra Backload	4,000.00	Dollars
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Factors 4000 Dollars

**Line Item 4SSR1480 - Witness ITC Assembly (B771)**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C090	STRUCTURAL AND METAL WORKE	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	200.00	Hours

Factors 200 Hours

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	KC20C	Building Trades Proj C Estimating Only	Ultra Backload	40.00	Hours
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Factors 40 Hours

**Line Item 4SSR1500 - ITC Component Training for B771**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	480.00	Hours

Factors 480 Hours

**Line Item 4SSR1510 - ITC Component Training for B776**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report								
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	380.00	Hours
Factors 380 Hours									

**Line Item 4SSR1520 - ROA Oper. & Mtce Training - Group 1**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	240.00	Hours
Factors 240 Hours									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Ultra Backload	80.00	Hours
Factors 80 Hours									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	E040	ELECTRICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	3,000.00	Dollars
Factors 3000 Dollars									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	3,000.00	Dollars
Factors 3000 Dollars									

**Line Item 4SSR1530 - ROA Oper. & Mtce Training - Group 2**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	240.00	Hours
Factors 240 Hours									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Ultra Backload	80.00	Hours
Factors 80 Hours									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	E040	ELECTRICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	3,000.00	Dollars
Factors 3000 Dollars									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	3,000.00	Dollars
Factors 3000 Dollars									

**Line Item 4SSR1540 - Witness ROA Installation in B776 ITC**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	750 STRAIGHT TIME BASE	C120 D&D SKILLED TRADES	KC10H 771 Complex Steelworkers	Ultra Backload	80.00	Hours
Factors	80 Hours					
	750 STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	KC20C Building Trades Proj C Estimating Only	Ultra Backload	40.00	Hours
Factors	40 Hours					
	A5H SUBCONTRACTED SRVS	E040 ELECTRICAL ENGINEERS	K281S Building 771 Closure Project	Ultra Backload	1,500.00	Dollars
Factors	1500 Dollars					
	A5H SUBCONTRACTED SRVS	E070 MECHANICAL ENGINEERS	K281S Building 771 Closure Project	Ultra Backload	1,500.00	Dollars
Factors	1500 Dollars					
	A5H SUBCONTRACTED SRVS	P150 TRAINERS	K281S Building 771 Closure Project	Ultra Backload	1,000.00	Dollars
Factors	1000 Dollars					
	A5H SUBCONTRACTED SRVS	P160 TECHNICAL WRITERS AND EDITOR	K281S Building 771 Closure Project	Ultra Backload	1,200.00	Dollars
Factors	1200 Dollars					

**Line Item 4SSR1600 - Finalize Procedures/Ops Orders Plasma Arc**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	A5H SUBCONTRACTED SRVS	P160 TECHNICAL WRITERS AND EDITOR	K281S Building 771 Closure Project	Ultra Backload	6,000.00	Dollars
Factors	6000 Dollars					

**Line Item 4SSR1610 - Finalize Procedures/Ops Orders ROA**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	A5H SUBCONTRACTED SRVS	P160 TECHNICAL WRITERS AND EDITOR	K281S Building 771 Closure Project	Ultra Backload	6,000.00	Dollars
Factors	6000 Dollars					

**Line Item 4SSR1620 - Finalize Procedures/Ops Orders ITC Operation**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	A5H SUBCONTRACTED SRVS	P160 TECHNICAL WRITERS AND EDITOR	K281S Building 771 Closure Project	Ultra Backload	6,000.00	Dollars
Factors	6000 Dollars					

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

**Line Item 4SSR1630 - Review Procedures/Ops Orders**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A					
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Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	120.00	Hours
Factors	120	Hours						
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
Factors	40	Hours						
A5H	SUBCONTRACTED SRVS	P160	TECHNICAL WRITERS AND EDITOR	K281S	Building 771 Closure Project	Ultra Backload	6,000.00	Dollars
Factors	6000	Dollars						

**Line Item 4SSR1640 - Complete JHA**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A					
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Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	P090	INDUSTRIAL HYGIENISTS	K281S	Building 771 Closure Project	Ultra Backload	120.00	Hours
Factors	120	Hours						
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Ultra Backload	4,000.00	Dollars
Factors	4000	Dollars						

**Line Item 4SSR1700 - Develop Qualification Standards**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A					
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Cost Element		Skill		Department		Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Ultra Backload	4,000.00	Dollars
Factors	4000	Dollars						

**Line Item 4SSR1710 - Develop Training Materials**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A					
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Basis for adjustment - N/A

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Ultra Backload	4,000.00	Dollars

Factors 4000 Dollars

**Line Item 4SSR1730 - Verify/Qualify Operators to ITC Qualif. Standrds**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Ultra Backload	4,000.00	Dollars

Factors 4000 Dollars

**Line Item 4SSR1740 - Train to Procedures**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Ultra Backload	4,000.00	Dollars

Factors 4000 Dollars

**Line Item 4SSR1750 - Level of Knowledge Interviews**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Ultra Backload	2,000.00	Dollars

Factors 2000 Dollars

**Line Item 4SSR1780 - Develop Internal Demonstration Plan of Action**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*

Starts In FY \*

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours

Factors 40 Hours

**Line Item 4SSR1790 - Plan of Action Approval**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours

Factors 40 Hours

**Line Item 4SSR1800 - Assemble Review Team**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours

Factors 40 Hours

**Line Item 4SSR1810 - Perform Demonstration (Plasma Arc Cold Cut)**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	480.00	Hours

Factors 480 Hours

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
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Factors 40 Hours

750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K244S	Indep Oversight & Quality Assurance	Ultra Backload	200.00	Hours
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Factors 200 Hours

**Line Item 4SSR1820 - Review Demonstration Results**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Revised Unit Cost - N/A Basis for adjustment - N/A						
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	80.00	Hours
	Factors	80	Hours						
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors	40	Hours						
	750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K244S	Indep Oversight & Quality Assurance	Ultra Backload	60.00	Hours
	Factors	60	Hours						

**Line Item 4SSR1830 - Implement Corrective Actions**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	160.00	Hours
	Factors	160	Hours						
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors	40	Hours						
	A5H	SUBCONTRACTED SRVS	E040	ELECTRICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	1,500.00	Dollars
	Factors	1500	Dollars						
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Ultra Backload	3,000.00	Dollars
	Factors	3000	Dollars						
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Ultra Backload	2,500.00	Dollars
	Factors	2500	Dollars						

**Line Item 4SSR1860 - Develop Readiness Assessment Plan of Action**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
	Factors	40	Hours						

**Line Item 4SSR1870 - Readiness Assessment Approval**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*

Starts In FY \*

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours

Factors 40 Hours

**Line Item 4SSR1880 - Assemble Review Team**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K244S	Indep Oversight & Quality Assurance	Ultra Backload	60.00	Hours

Factors 60 Hours

**Line Item 4SSR1890 - Perform Readiness Assmnt (Plasma Arc Hot Cut)**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Ultra Backload	480.00	Hours

Factors 480 Hours

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Ultra Backload	40.00	Hours
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Factors 40 Hours

750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K244S	Indep Oversight & Quality Assurance	Ultra Backload	200.00	Hours
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Factors 200 Hours

**Line Item 4SSR1900 - Issue Assessment Results Report**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K244S	Indep Oversight & Quality Assurance	Ultra Backload	100.00	Hours

Factors 100 Hours

**Line Item 4SSR1910 - Implement Corrective Actions (Prestart)**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-771 Inner Tent Chamber 2-1 Breakdown of Cost Data: Item - B-771 Project Controls Special Project as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A3

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
Factors	750	STRAIGHT TIME BASE	C120 D&D SKILLED TRADES	KC10H 771 Complex Steelworkers	Ultra Backload	160.00	Hours
	160	Hours					
Factors	750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	K281S Building 771 Closure Project	Ultra Backload	40.00	Hours
	40	Hours					
Factors	A5H	SUBCONTRACTED SRVS	E040 ELECTRICAL ENGINEERS	K281S Building 771 Closure Project	Ultra Backload	1,500.00	Dollars
	1500	Dollars					
Factors	A5H	SUBCONTRACTED SRVS	E070 MECHANICAL ENGINEERS	K281S Building 771 Closure Project	Ultra Backload	3,000.00	Dollars
	3000	Dollars					
Factors	A5H	SUBCONTRACTED SRVS	P150 TRAINERS	K281S Building 771 Closure Project	Ultra Backload	2,500.00	Dollars
	2500	Dollars					

**Line Item SYS - Contingency And Escalation**

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
Factors	CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Ultra Backload	21,449.48	Dollars
	21449.5	Dollars					
Factors	ESC	ESCALATION	0000 NONE	ZDEPT No Department	Ultra Backload	14,638.76	Dollars
	14638.8	Dollars					

Activity ID: 1CAEAA1A4 Description: B774 Size Reduction Methodology -Eng/Fab/Inst

Cost Risk 4 Schedule Risk 4

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
4HA4A00H3	Execution for B774 Size Reduction	1.00	each		0	0	0	300,000	0	300,000	0	300,000
4HA4A1201	Develop IWCP (Cold)	1.00	each	EE	0	0	0	6,750	0	6,750	0	6,750
4HA4A1202	Develop JHA/Conduct Walkdown (Cold)	1.00	each	EE	24	24	502	1,620	0	2,122	239	2,361
4HA4A1206	Develop EO & JHIT (Cold)	1.00	each	EE	0	0	0	7,200	0	7,200	0	7,200
4HA4A1210	Conduct IWCP/EO Review (Cold)	1.00	each	EE	10	10	218	1,918	0	2,135	104	2,239
4HA4A1211	Incorporate IWCP/EO Comments (Cold)	1.00	each	EE	0	0	0	1,675	0	1,675	0	1,675
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	17,439	17,439	0	17,439
Total for Activity 1CAEAA1A4:						34	720	319,163	17,439	337,322	343	337,665

**Line Item 4HA4A00H3 - Execution for B774 Size Reduction**

**BOE** Estimators Experience - B774 Size Reduction Methodology estimates were generated by detailed estimating sessions conducted between 2 Certified Estimators and several Subject Matter Experts.  
Experience Item Desc - Gary Davis (Certified Cost Engineer) and John Allen (Certified Professional Estimator) generated the estimates with input from multiple B771 Subject Matter Experts.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
Factors	A5H	SUBCONTRACTED SRVS	0000 NONE	K281S Building 771 Closure Project	Linear	300,000.00	Dollars
	300000	Dollars					

**Line Item 4HA4A1201 - Develop IWCP (Cold)**

**BOE** Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator.  
Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required.  
Breakdown of Cost Data:  
Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost Adjustment factor - N/A.  
Revised Unit Cost - N/A.  
Basis for adjustment - N/A

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
Factors	A5H	SUBCONTRACTED SRVS	P070 COST ESTIMATORS PLANNERS AN	K281S Building 771 Closure Project	Linear	6,750.00	Dollars
	6750	Dollars	Planner				

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A4

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

**Line Item 4HA4A1202 - Develop JHA/Conduct Walkdown (Cold)**

BOE	Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator. Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required. Breakdown of Cost Data: Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost Adjustment factor - N/A. Revised Unit Cost - N/A. Basis for adjustment - N/A					
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Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KC10H	771 Complex Steelworkers	Linear	4.80	Hours
Factors	4.8	Hours						
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	14.40	Hours
Factors	14.4	Hours						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KC10H	771 Complex Steelworkers	Linear	4.80	Hours
Factors	4.8	Hours						
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	1,080.00	Dollars
Factors	1080	Dollars						
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	540.00	Dollars
Factors	540	Dollars						

**Line Item 4HA4A1206 - Develop EO & JHIT (Cold)**

BOE	Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator. Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required. Breakdown of Cost Data: Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost Adjustment factor - N/A. Revised Unit Cost - N/A. Basis for adjustment - N/A					
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Cost Element		Skill		Department		Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	7,200.00	Dollars
Factors	7200	Dollars						

**Line Item 4HA4A1210 - Conduct IWCP/EO Review (Cold)**

BOE	Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator. Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required. Breakdown of Cost Data: Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost Adjustment factor - N/A. Revised Unit Cost - N/A. Basis for adjustment - N/A					
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Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KC10H	771 Complex Steelworkers	Linear	2.40	Hours
Factors	2.4	Hours						
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	2.40	Hours
Factors	2.4	Hours						
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Linear	2.40	Hours
Factors	2.4	Hours						

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A4

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KC10H	771 Complex Steelworkers	Linear	2.40	Hours
Factors	2.4	Hours						
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	K281S	Building 771 Closure Project	Linear	477.60	Dollars
Factors	477.6	Dollars	Nuc/Crit Engineer					
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	360.00	Dollars
Factors	360	Dollars	Engineer					
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	1,080.00	Dollars
Factors	1080	Dollars	Tech Support					

**Line Item 4HA4A1211 - Incorporate IWCP/EO Comments (Cold)**

BOE	Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator. Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required. Breakdown of Cost Data: Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost Adjustment factor - N/A. Revised Unit Cost - N/A. Basis for adjustment - N/A							
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	270.00	Dollars
Factors	270	Dollars	Engineer						
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	K281S	Building 771 Closure Project	Linear	955.20	Dollars	
Factors	955.2	Dollars	Nuc/Crit Engineer						
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	450.00	Dollars	
Factors	450	Dollars	Planner						

**Line Item SYS - Contingency And Escalation**

BOE										
Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY		0000	NONE	ZDEPT	No Department	Linear	10,705.70	Dollars
	Factors		10705.7 Dollars							
	ESC	ESCALATION		0000	NONE	ZDEPT	No Department	Linear	6,733.63	Dollars
	Factors		6733.63 Dollars							

Activity ID: 1CAEAA1A5 Description: B774 Sump Pump Discharge Piping Re-route Proj.

Cost Risk 4 Schedule Risk 4

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Re-route Project	1.00	each		0	0	0	46,431	0	46,431	0	46,431
4HA5B1201	Develop IWCP (Hot)	1.00	each	EE	0	0	0	6,750	0	6,750	0	6,750
4HA5B1202	Develop JHA/Conduct Walkdown (Hot)	1.00	each	EE	24	24	502	2,814	0	3,316	177	3,493
4HA5B1206	Develop EO & JHIT (Hot)	1.00	each	EE	0	0	0	16,200	0	16,200	0	16,200
4HA5B1210	Conduct IWCP/EO Review (Hot)	1.00	each	EE	10	10	218	1,918	0	2,135	77	2,212
4HA5B1211	Incorporate IWCP/EO Comments (Hot)	1.00	each	EE	0	0	0	1,675	0	1,675	0	1,675
4HA5B1212	Conduct PRC Rev/Approval (Hot)	1.00	each	EE	3	3	73	2,307	0	2,380	26	2,406
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	12,214	12,214	0	12,214
Total for Activity 1CAEAA1A5:						36	793	78,095	12,214	91,101	280	91,381

**Line Item 1 - Re-route Project**

BOE	Estimators Experience - B774 Size Reduction Methodology estimates were generated by detailed estimating sessions conducted between 2 Certified Estimators and several Subject Matter Experts. Experience Item Desc - Gary Davis (Certified Cost Engineer) and John Allen (Certified Professional Estimator) generated the estimates with input from multiple B771 Subject Matter Experts.							
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	0000	NONE	K281S	Building 771 Closure Project	Linear	46,431.00	Dollars
	Factors	46431 dollars							

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A5

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

**Line Item 4HA5B1201 - Develop IWCP (Hot)**

BOE	Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator. Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required. Breakdown of Cost Data: Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost Adjustment factor - N/A. Revised Unit Cost - N/A. Basis for adjustment - N/A									

Cost Element		Skill		Department		Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	6,750.00	Dollars
Factors	6750 Dollars	Planner						

**Line Item 4HA5B1202 - Develop JHA/Conduct Walkdown (Hot)**

BOE	Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator. Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required. Breakdown of Cost Data: Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost Adjustment factor - N/A. Revised Unit Cost - N/A. Basis for adjustment - N/A									

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KC10H	771 Complex Steelworkers	Linear	4.80	Hours
Factors	4.8 Hours							
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	14.40	Hours
Factors	14.4 Hours							
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KC10H	771 Complex Steelworkers	Linear	4.80	Hours
Factors	4.8 Hours							
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	K281S	Building 771 Closure Project	Linear	1,194.00	Dollars
Factors	1194 Dollars	Nuc/Crit Engineer						
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	1,080.00	Dollars
Factors	1080 Dollars	Technical Support						
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	540.00	Dollars
Factors	540 Dollars	Planner						

**Line Item 4HA5B1206 - Develop EO & JHIT (Hot)**

BOE	Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator. Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required. Breakdown of Cost Data: Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost Adjustment factor - N/A. Revised Unit Cost - N/A. Basis for adjustment - N/A									

Cost Element		Skill		Department		Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	16,200.00	Dollars
Factors	16200 Dollars	Engineer						

**Line Item 4HA5B1210 - Conduct IWCP/EO Review (Hot)**

BOE	Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D									
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WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A5

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Engineer, 1 SME Scheduler/Estimator.  
Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required.  
Breakdown of Cost Data:  
Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost Adjustment factor - N/A.  
Revised Unit Cost - N/A.  
Basis for adjustment - N/A

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KC10H	771 Complex Steelworkers	Linear	2.40	Hours
Factors	2.4	Hours							
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	2.40	Hours
Factors	2.4	Hours							
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Linear	2.40	Hours
Factors	2.4	Hours							
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KC10H	771 Complex Steelworkers	Linear	2.40	Hours
Factors	2.4	Hours							
	A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	K281S	Building 771 Closure Project	Linear	477.60	Dollars
Factors	477.6	Dollars		Nuc/Crit Engineer					
	A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	360.00	Dollars
Factors	360	Dollars		Engineer					
	A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	1,080.00	Dollars
Factors	1080	Dollars		Tech Support					

**Line Item 4HA5B1211 - Incorporate IWCP/EO Comments (Hot)**

BOE	Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator. Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required. Breakdown of Cost Data: Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost Adjustment factor - N/A. Revised Unit Cost - N/A. Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	270.00	Dollars
Factors	270	Dollars		Engineer					
	A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	K281S	Building 771 Closure Project	Linear	955.20	Dollars
Factors	955.2	Dollars		Nuc/Crit Engineer					
	A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	450.00	Dollars
Factors	450	Dollars		Planner					

**Line Item 4HA5B1212 - Conduct PRC Rev/Approval (Hot)**

BOE	Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator. Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required. Breakdown of Cost Data: Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost Adjustment factor - N/A. Revised Unit Cost - N/A. Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A5

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Linear	2.64	Hours
Factors	2.64	Hours						
A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	K281S	Building 771 Closure Project	Linear	525.36	Dollars
Factors	525.36	Dollars	Nuc/Crit Engineer					
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	540.00	Dollars
Factors	540	Dollars	Engineer					
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	792.00	Dollars
Factors	792	Dollars	Tech Support					
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	450.00	Dollars
Factors	450	Dollars	Planner					

**Line Item SYS - Contingency And Escalation**

BOE

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	8,513.96	Dollars
Factors	8513.96	Dollars						
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	3,699.61	Dollars
Factors	3699.61	Dollars						

Activity ID: 1CAEAA1A6 Description: B774 SBA Modification Project

Cost Risk 4 Schedule Risk 4

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2	Breathing Air Upgrade	1.00	each		0	0	0	365,000	0	365,000	0	365,000
4HA6A1201	Develop IWCP (Cold)	1.00	each	EE	0	0	0	6,750	0	6,750	0	6,750
4HA6A1202	Develop JHA/Conduct Walkdown (Cold)	1.00	each	EE	24	24	502	1,620	0	2,122	239	2,361
4HA6A1206	Develop EO & JHIT (Cold)	1.00	each	EE	0	0	0	7,200	0	7,200	0	7,200
4HA6A1210	Conduct IWCP/EO Review (Cold)	1.00	each	EE	10	10	218	1,918	0	2,135	104	2,239
4HA6A1211	Incorporate IWCP/EO Comments (Cold)	1.00	each	EE	0	0	0	1,675	0	1,675	0	1,675
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	20,979	20,979	0	20,979
Total for Activity 1CAEAA1A6:						34	720	384,163	20,979	405,862	343	406,205

**Line Item 2 - Breathing Air Upgrade**

BOE

Estimators Experience - B774 Size Reduction Methodology estimates were generated by detailed estimating sessions conducted between 2 Certified Estimators and several Subject Matter Experts.  
Experience Item Desc - Gary Davis (Certified Cost Engineer) and John Allen (Certified Professional Estimator) generated the estimates with input from multiple B771 Subject Matter Experts.

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	0000	NONE	K281S	Building 771 Closure Project	Linear	365,000.00	Dollars
Factors	365000	dollars						

**Line Item 4HA6A1201 - Develop IWCP (Cold)**

BOE

Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator.  
Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required.  
Breakdown of Cost Data:  
Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost Adjustment factor - N/A.  
Revised Unit Cost - N/A.  
Basis for adjustment - N/A

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	6,750.00	Dollars
Factors	6750	Dollars	Planner					

**Line Item 4HA6A1202 - Develop JHA/Conduct Walkdown (Cold)**

BOE

Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator.

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A6

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required.  
Breakdown of Cost Data:  
Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost Adjustment factor - N/A.  
Revised Unit Cost - N/A.  
Basis for adjustment - N/A

**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KC10H	771 Complex Steelworkers	Linear	4.80	Hours
Factors	4.8	Hours						
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	14.40	Hours
Factors	14.4	Hours						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KC10H	771 Complex Steelworkers	Linear	4.80	Hours
Factors	4.8	Hours						
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	1,080.00	Dollars
Factors	1080	Dollars						
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	540.00	Dollars
Factors	540	Dollars						

**Line Item 4HA6A1206 - Develop EO & JHIT (Cold)**

**BOE**

Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator.  
Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required.  
Breakdown of Cost Data:  
Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost Adjustment factor - N/A.  
Revised Unit Cost - N/A.  
Basis for adjustment - N/A

**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	7,200.00	Dollars
Factors	7200	Dollars						

**Line Item 4HA6A1210 - Conduct IWCP/EO Review (Cold)**

**BOE**

Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator.  
Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required.  
Breakdown of Cost Data:  
Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000.  
Unit Cost Adjustment factor - N/A.  
Revised Unit Cost - N/A.  
Basis for adjustment - N/A

**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C020	ELECTRICIANS	KC10H	771 Complex Steelworkers	Linear	2.40	Hours
Factors	2.4	Hours						
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	2.40	Hours
Factors	2.4	Hours						
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Linear	2.40	Hours
Factors	2.4	Hours						
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KC10H	771 Complex Steelworkers	Linear	2.40	Hours
Factors	2.4	Hours						

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A6

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	K281S	Building 771 Closure Project	Linear	477.60	Dollars
Factors	477.6	Dollars	Nuc/Crit Engineer					
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	1,080.00	Dollars
Factors	1080	Dollars	Tech Support					
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	360.00	Dollars
Factors	360	Dollars	Engineer					

**Line Item 4HA6A1211 - Incorporate IWCP/EO Comments (Cold)**

BOE	Estimators Experience - Decommissioning planning estimates were generated by detailed estimating sessions conducted between 2 D&D Planners, 1 Lead D&D Engineer, 1 SME Scheduler/Estimator. Experience Item Desc - Paul Leitz (B771 D&D Planner), Mike Millard (B771 D&D Planner), and Linda Rudd (SME Scheduler/Estimator) generated the estimates based upon the set/area scope to determine the types (cold/hot/balance) and quantities of work packages required. Breakdown of Cost Data: Item - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Units - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost - See B771 Planning Template, B771/774 Set Planning Packages, dated June 1, 2000. Unit Cost Adjustment factor - N/A. Revised Unit Cost - N/A. Basis for adjustment - N/A							
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	270.00	Dollars
	Factors	270	Dollars	Engineer					
	A5H	SUBCONTRACTED SRVS	E080	NUCLEAR (CRITICALITY) ENGINEER	K281S	Building 771 Closure Project	Linear	955.20	Dollars
	Factors	955.2	Dollars	Nuc/Crit Engineer					
	A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	450.00	Dollars
	Factors	450	Dollars	Planner					

**Line Item SYS - Contingency And Escalation**

BOE										
Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY		0000	NONE	ZDEPT	No Department	Linear	12,878.77	Dollars
	Factors 12878.8 Dollars									
	ESC	ESCALATION		0000	NONE	ZDEPT	No Department	Linear	8,100.44	Dollars
	Factors 8100.44 Dollars									

Activity ID: 1CAEAA1A7 Description: Special Projects : Constr. Contract Procure Prep

Cost Risk 2 Schedule Risk 2

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
001	Contract Procurement Preparation	1.00	each		0	0	0	200,000	0	200,000	0	200,000
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	7,671	7,671	0	7,671
Total for Activity 1CAEAA1A7:						0	0	200,000	7,671	207,671	0	207,671

**Line Item 001 - Contract Procurement Preparation**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A							
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Resources									
	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	0000	NONE	K281S	Building 771 Closure Project	Linear	200,000.00	Dollars
Factors	200000 Dollars								

**Line Item SYS - Contingency And Escalation**

BOE

WBS No: 1CAEAA01  
Activity ID: 1CAEAA1A7

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

Resources		Cost Element	Skill	Department		Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	4,499.15	Dollars
Factors		4499.15 Dollars						
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	3,171.63	Dollars
Factors		3171.63 Dollars						

Activity ID: 1CXXXAA104 Description: B771 / 774 Support Services, Project - end

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
4X71PB04	Project Controls FY 2004	1.79	each	HC	4,802	8,575	267,499	378,455	0	645,953	75,435	721,388
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	103,005	103,005	0	103,005
Total for Activity 1CXXXAA104:						8,575	267,499	378,455	103,005	748,958	75,435	824,393

**Line Item 4X71PB04 - Project Controls FY 2004**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources		Cost Element	Skill	Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	325.98	Hours
Factors		1825	Hours	Kathy London		0.229	(52/227) days	
						0.78	Budget Cuts	
750	STRAIGHT TIME BASE	M020	MANAGERS (GRADE 69 - 72)	K281S	Building 771 Closure Project	Linear	325.98	Hours
Factors		1825	Hours	Brian Larsen		0.229	(52/227) days	
						0.78	Budget Cuts	
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K264S	Procurement Systems	Linear	325.98	Hours
Factors		1825	Hours	Mark Lewis		0.229	(52/227) days	
						0.78	Budget Cuts	
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K264S	Procurement Systems	Linear	2,847.00	Hours
Factors		3650	Hours	Karen Downs & Lisa DeLeon		0.78	Budget Cuts	
750	STRAIGHT TIME BASE	P040	COMMUNICATION SPECIALISTS	K281S	Building 771 Closure Project	Linear	162.54	Hours
Factors		910	Hours	ED Bodey		0.229	(52/227) days	
						0.78	Budget Cuts	
750	STRAIGHT TIME BASE	P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear	325.98	Hours
Factors		1825	Hours	Julie Bodkin		0.229	(52/227) days	
						0.78	Budget Cuts	
750	STRAIGHT TIME BASE	P070	COST ESTIMATORS PLANNERS AN	R100S	RMRS Salaried	Linear	325.98	Hours
Factors		1825	Hours	John Allen		0.229	(52/227) days	
						0.78	Budget Cuts	
750	STRAIGHT TIME BASE	P110	PERSONNEL AND LABOR RELATIO	K281S	Building 771 Closure Project	Linear	162.54	Hours
Factors		910	Hours	Lonnie Casias		0.229	(52/227) days	
						0.78	Budget Cuts	
A57	LATA	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	26,730.48	Dollars
Factors		1825	Hours	82 Dollars per hour Don Hnath		0.229	(52/227) days	
						0.78	Budget Cuts	
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	22,492.72	Dollars
Factors		1825	Hours	69 Dollars per hour Gary Davis		0.229	(52/227) days	
						0.78	Budget Cuts	

WBS No: 1CAEAA01  
Activity ID: 1CXXAA104

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*

Starts In FY \*

A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	7,627.07	Dollars
Factors	700 Hours	61	Dollars per hour Zarret	0.229 (52/227) days	0.78 Budget Cuts			
A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Linear	21,434.40	Dollars
Factors	120000 Dollars			0.229 (52/227) days	0.78 Budget Cuts			
A5H	SUBCONTRACTED SRVS	E070	MECHANICAL ENGINEERS	K281S	Building 771 Closure Project	Linear	14,669.17	Dollars
Factors	1825 Hours	45	Dollars per hour Mitch Stockdale	0.229 (52/227) days	0.78 Budget Cuts			
A5H	SUBCONTRACTED SRVS	E130	OTHER ENGINEERS	K281S	Building 771 Closure Project	Linear	24,448.61	Dollars
Factors	1825 Hours	75	Dollars per hour Dave Sproles	0.229 (52/227) days	0.78 Budget Cuts			
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	24,448.61	Dollars
Factors	1825 Hours	75	Dollars per hour Lead Planner	0.229 (52/227) days	0.78 Budget Cuts			
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	32,598.15	Dollars
Factors	1825 Hours	100	Dollars per hr Sched	0.229 52/227	0.78 Budget Cuts			
A5H	SUBCONTRACTED SRVS	P070	COST ESTIMATORS PLANNERS AN	K281S	Building 771 Closure Project	Linear	25,426.56	Dollars
Factors	1825 Hours	78	Dollars per hour Rudd	0.229 (52/227) days	0.78 Budget Cuts			
A5L	RENTALS	0000	NONE	K281S	Building 771 Closure Project	Linear	4,914.00	Dollars
Factors	350 Pagars	6	Dollars per month	3 Months	0.78 Budget Cuts			
A5M	TRAVEL/TRAIN/RELOCAT	0000	NONE	K281S	Building 771 Closure Project	Linear	7,144.80	Dollars
Factors	40000 Dollars		relocation	0.229 52/227	0.78 Budget Cuts			

**Line Item SYS - Contingency And Escalation**

**BOE**

**Resources**

Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	33,740.06 Dollars
Factors	33740.1 Dollars				
ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	69,264.97 Dollars
Factors	69265 Dollars				

WBS No: 1CAEAA02

Title: Security

Activity ID: 1CAEAA200

Description: B771 / 774 Support Services, Security - FY00

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
00_1	Security Isolation Zone	1.00	each	VQ	5,125	5,125	136,448	10,000	0	146,448	71,467	217,915
00_2	PACS 3 on Weekends	1.00	each	VQ	620	620	17,943	0	0	17,943	8,756	26,699
00_3	Access Control Upgrade	1.00	each	VQ	0	0	0	33,667	0	33,667	0	33,667
00_4	PA Closure	1.00	each	EE	0	0	0	4,270	0	4,270	0	4,270
Total for Activity 1CAEAA200:						5,745	154,391	47,937	0	202,328	80,223	282,551

**Line Item 00\_1 - Security Isolation Zone**

**BOE**

Vendor Name - Wackenhut Services, LLC  
Vendor Quote - B-771 Security Isolation Zone (SIZ) Security Plan describes the requirement for SPO coverage.  
Quote Received by - Mike Nafe  
Date Received - 05/01/2000  
Item being quoted - SPO coverage for SIZ  
Other Info -  
Availability -

**Resources**

Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1CAEAA02  
Activity ID: 1CAEAA200

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devl  
1CAE  
\*

Starts In FY \*

750	STRAIGHT TIME BASE	L080	SECURITY GUARDS	W207H	Protective Force 5-Days	Linear	1,230.00	Hours
Factors	82 Days		5 SPOs		3 Hours			
751	OVERTIME BASE & PRE.	L080	SECURITY GUARDS	W207H	Protective Force 5-Days	Linear	3,895.00	Hours
Factors	82 Days		5 SPOs		9.5 Hours			
754	OTHER PREMIUMS	L080	SECURITY GUARDS	W207H	Protective Force 5-Days	Linear	10,000.00	Dollars
Factors	10000 Dollars							

**Line Item 00.2 - PACS 3 on Weekends**

**BOE**  
Vendor Name - Wackenhut Services, LLC  
Vendor Quote - B-771 PACS 3 Extended Hours  
Quote Received by - Mike Nafe  
Date Received - 05/01/2000  
Item being quoted - SPO coverage for extended hours at PACS 3  
Other Info -  
Availability -

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
	751 OVERTIME BASE & PRE.	L080 SECURITY GUARDS	W207H Protective Force 5-Days	Linear	620.00	Hours
Factors	25 Days	2 SPOs	12.4 Hours			

**Line Item 00.3 - Access Control Upgrade**

**BOE**  
Scope and Estimate for Stand-Alone Access Control System

Purpose:  
A standard stand-alone access control system (SAACS) is required to provide basic access control and logging functions for various doors on site.

Scope:

System Function/Equipment  
The SAACS is to provide the following functions:  
? Utilize the Common DOE Badge for identification verification  
? Require a unique Personal Identification Number (PIN) for access authorization determination.  
? Unlock the door upon verifying access authorization. Tailgating and escorting will be controlled administratively by the person granted access.  
? Initiate a local audible alarm if the door is propped open for longer than the preset amount of time.  
? The database will require a password for access.  
? Exit from the area will not require badge swipe as long as the local alarm does not sound when exiting. This includes emergency crash-out capability for the lock and alarm.  
? The system will fail secure upon power outage. A UPS will be required for the lock.  
? The lock will allow key override on the exterior with out alarm to allow non-resident security or fire personnel access (only door prop alarm). The core of the lock will be installed by RFETS.

Three manufacturers (Lenel, Hirsh, and Northern Computer) were contacted for pricing on basic systems. Due to the expedient nature of this scope, and since the estimates were fairly close, the most costly option was used for this estimate. Lead time for the systems is 2 weeks.

Also, this estimate assumes that the existing building doors will be re-alarmed, therefore, new switches will be required for the door prop alarm.

The estimate also assumes that a Y2K compliant Personal Computer is NOT available for use.

Item Estimated Cost  
Access Control System \$ 7,500.00  
Miscellaneous equipment (conduit, wire, horn, boxes, and switches) \$ 1,500.00  
PC \$ 2,500.00  
KH 5% \$ 575.00  
Total \$12,075.00

Engineering/Installation  
Engineering efforts will include all activities and tasks required by IWCP (DES-210 and APR-111, etc) excluding planning the IWCP Work Package, and, includes System Administrator training, data entry and user briefings. Actual installation is assumed to be Davis-Bacon non-covered, Alarm Technician and Carpenter work.

Activity Task Hours Rate Cost  
Engineering 120\* 78 9,360.00  
WC 0



WBS No: 1CAEAA02  
Activity ID: 1CAEAA200

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

AS 0  
JHA/JHI 0  
DES-210 pkg. Incl. dwgs and power calcs 0  
IWCP Planning Assis 0  
Installation/Testing Assis 0  
Reviewers 8 ppl X 2hrs/ppl = 16 75 1,200.00  
Procedure 0  
Closeou 0  
  
Procurement Specification 40 78 3,120.00  
Tech Eva 4 78 312.00  
PRT review/KH procuremen 16 30 480.00  
  
System Admin Programming (Incl Training) 24 40 960.00  
Data Entry/User set-up & Briefings (PIN assignments 50 ppl X .5 hr/ppl = 25 hr 40 1000.00  
  
Planning IWCP Preparation/Closeout 60 40 2,400.00  
Reviewer 8ppl X 2hrs/ppl = 16 75 0  
  
Site Doc Ctl Process package 8 35 280.00  
  
Installation Mounting/connecting equipment (Readers, controller, switches) 2 ppl X 3 days X 8 hr/day = 48 40 1,920.00  
Installing mag. lock 16 35 560.00  
21,59  
  
\*Standard hours for small package was used for engineering package.  
  
Total Estimated Cost:  
  
Equipment (w/ PC) \$12,075.00  
Installation \$21,592.00  
\$33,667.00

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
A5C	SUPPLIES	0000	NONE	K281S Building 771 Closure Project	Linear	33,667.00	Dollars
		Factors	33667	Dollars			

**Line Item 00\_4 - PA Closure**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources		Cost Element	Skill	Department	Curve	Quantity	Units
A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S Building 771 Closure Project	Linear	4,270.00	Dollars
		Factors	70	Hours	61	Dollars per hour	

Activity ID: 1CAEAA201 Description: B771 / 774 Support Services, Security - FY01 Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Security Isolation Zone	1.00	each	VQ	9,375	9,375	249,600	22,000	0	271,600	129,553	401,153
2	PACS 3 Extended Operations	1.00	each	VQ	992	992	28,708	0	0	28,708	13,694	42,402
3	PA Closure	1.00	each	EE	0	0	0	12,200	0	12,200	0	12,200
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	24,162	24,162	0	24,162

WBS No: 1CAEAA02  
Activity ID: 1CAEAA201

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Total for Activity 1CAEAA201:

10,367	278,308	34,200	24,162	336,671	143,247	479,918
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**Line Item 1 - Security Isolation Zone**

BOE	Vendor Name - Wackenhut Services, LLC Vendor Quote - B-771 SIZ Security Plan describes the requirement for SPO coverage. Quote Received by - Mike Nafe Date Received - 05/01/2000 Item being quoted - SPO coverage for SIZ Other Info - Availability -					
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Resources		Cost Element	Skill	Department	Curve	Quantity	Units
	750	STRAIGHT TIME BASE	L080	SECURITY GUARDS	W207H Protective Force 5-Days	Linear	2,250.00 Hours
Factors	150	Days	5	SPOs	3	Hours	
	751	OVERTIME BASE & PRE.	L080	SECURITY GUARDS	W207H Protective Force 5-Days	Linear	7,125.00 Hours
Factors	150	Days	5	SPOs	9.5	Hours	
	754	OTHER PREMIUMS	L080	SECURITY GUARDS	W207H Protective Force 5-Days	Linear	22,000.00 Dollars
Factors	22000	Dollars					

**Line Item 2 - PACS 3 Extended Operations**

BOE	Vendor Name - Wackenhut Services, LLC Vendor Quote - B-771 PACS 3 Extended Hours Quote Received by - Mike Nafe Date Received - 05/01/2000 Item being quoted - SPO coverage for extended hours at PACS 3 Other Info - Availability -					
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Resources		Cost Element	Skill	Department	Curve	Quantity	Units
	751	OVERTIME BASE & PRE.	L080	SECURITY GUARDS	W207H Protective Force 5-Days	Linear	992.00 Hours
Factors	40	Days	2	SPOs	12.4	Hours	

**Line Item 3 - PA Closure**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A -					
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Resources		Cost Element	Skill	Department	Curve	Quantity	Units
	A57	LATA	P070	COST ESTIMATORS PLANNERS AN	K281S Building 771 Closure Project	Linear	12,200.00 Dollars
Factors	200	Hours	61	Dollars per hour			

**Line Item SYS - Contingency And Escalation**

BOE										
Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY		0000	NONE	ZDEPT	No Department	Linear	14,578.68	Dollars
	Factors		14578.7 Dollars							
	ESC	ESCALATION		0000	NONE	ZDEPT	No Department	Linear	9,583.52	Dollars
	Factors		9583.52 Dollars							

WBS No: 1CAEAA03	Title: Waste Operations	Cost Risk 1	Schedule Risk 1
Activity ID: 1CAEAA300	Description: B771 / 774 Support Services, Waste Ops - FY00		

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
3	Laundry	1.00	each		0	0	0	541,800	0	541,800	0	541,800
Total for Activity 1CAEAA300:						0	0	541,800	0	541,800	0	541,800

WBS No: 1CAEAA03  
Activity ID: 1CAEAA300

## Rocky Flats Closure Project

### Baseline Cost and Basis of Estimate

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

#### Line Item 3 - Laundry

BOE	Historical Data Source - Actual Cost data for hot laundry (recorded using A5F cost element) and cold laundry (A5R) which can be verified in T771J cube 9. Item Desc - Breakdown of Historical Data: Item - Units - Unit Cost - Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5F	CSS FIXED PRICE	0000	NONE	K260S	Site Operations	Linear	541,800.00	Dollars

Factors 1500000 Dollars 0.3612 (82/227) Days

Activity ID: 1CAEAA301 Description: B771 / 774 Support Services, Waste Ops - FY01

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2	Waste Disposal (Containers)	1.00	each		0	0	0	116,800	0	116,800	0	116,800
3	Laundry	1.00	each		0	0	0	1,500,000	0	1,500,000	0	1,500,000
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	85,716	85,716	0	85,716
Total for Activity 1CAEAA301:						0	0	1,616,800	85,716	1,702,516	0	1,702,516

#### Line Item 2 - Waste Disposal (Containers)

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5R	MISC EXPENSES	0000	NONE	K281S	Building 771 Closure Project	Linear	116,800.00	Dollars

Factors 8 Intermodals 40 Dollars per Day 365 Days per Year

#### Line Item 3 - Laundry

BOE	Historical Data Source - Actual Cost data for hot laundry (recorded using A5F cost element) and cold laundry (A5R) which can be verified in T771J cube 9. Item Desc - Breakdown of Historical Data: Item - Units - Unit Cost - Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5F	CSS FIXED PRICE	0000	NONE	K260S	Site Operations	Linear	1,500,000.00	Dollars

Factors 1500000 Dollars

#### Line Item SYS - Contingency And Escalation

BOE										
Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY		0000	NONE	ZDEPT	No Department	Linear	51,718.07	Dollars

Factors 51718.1 Dollars

ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	33,997.69	Dollars
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Factors 33997.7 Dollars

WBS No: 1CAEAA03  
Activity ID: 1CAEAA302

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \*  
Cost Risk 1 Schedule Risk 1  
Starts In FY \*

Activity ID: 1CAEAA302 Description: B771 / 774 Support Services, Waste Ops - FY02

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2	Waste Disposal (Containers)	1.00	each		0	0	0	116,800	0	116,800	0	116,800
3	Laundry	1.00	each		0	0	0	1,500,000	0	1,500,000	0	1,500,000
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	241,652	241,652	0	241,652
Total for Activity 1CAEAA302:						0	0	1,616,800	241,652	1,858,452	0	1,858,452

**Line Item 2 - Waste Disposal (Containers)**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5R	MISC EXPENSES	0000	NONE	K281S	Building 771 Closure Project	Linear	116,800.00	Dollars		
Factors	8	Intermodals	40	Dollars per Day	365	Days per Year				

**Line Item 3 - Laundry**

BOE	Historical Data Source - Actual Cost data for hot laundry (recorded using A5F cost element) and cold laundry (A5R) which can be verified in T771J cube 9. Item Desc - Breakdown of Historical Data: Item - Units - Unit Cost - Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5F	CSS FIXED PRICE	0000	NONE	K260S	Site Operations	Linear	1,500,000.00	Dollars		
Factors	1500000	Dollars								

**Line Item SYS - Contingency And Escalation**

BOE										
Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY		0000	NONE	ZDEPT	No Department	Linear	166,096.80	Dollars
	Factors 166097 Dollars									
	ESC	ESCALATION		0000	NONE	ZDEPT	No Department	Linear	75,555.40	Dollars
	Factors 75555.4 Dollars									

Activity ID: 1CAEAA303 Description: B771 / 774 Support Services, Waste Ops - FY03

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2	Waste Disposal	1.00	each		0	0	0	93,440	0	93,440	0	93,440
3	Laundry	1.00	each		0	0	0	960,000	0	960,000	0	960,000
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	292,063	292,063	0	292,063
Total for Activity 1CAEAA303:						0	0	1,053,440	292,063	1,345,503	0	1,345,503

**Line Item 2 - Waste Disposal**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data:											
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WBS No: 1CAEAA03  
Activity ID: 1CAEAA303

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Item - B-771 Project Controls as described in the activity description  
Units - lot  
Unit Cost = See Activity cost report  
Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5R	MISC EXPENSES	0000	NONE	K281S	Building 771 Closure Project	Linear	93,440.00	Dollars
Factors	8	Intermodals	40	Dollars per Day	365	Days per Year	0.8	Budget Cuts	

**Line Item 3 - Laundry**

BOE	Historical Data Source - Actual Cost data for hot laundry (recorded using A5F cost element) and cold laundry (A5R) which can be verified in T771J cube 9. Item Desc - Breakdown of Historical Data: Item - Units - Unit Cost - Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5F	CSS FIXED PRICE	0000	NONE	K260S	Site Operations	Linear	960,000.00	Dollars
Factors	1200000	Dollars			0.8	Budget Cuts			

**Line Item SYS - Contingency And Escalation**

BOE									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	211,279.50	Dollars
Factors	211280	Dollars							
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	80,783.33	Dollars
Factors	80783.3	Dollars							

Activity ID: 1CAEAA304 Description: B771 / 774 Support Services, Waste Ops - FY04

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
2	Waste Disposal	1.00	each		0	0	0	22,963	0	22,963	0	22,963
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	3,279	3,279	0	3,279
Total for Activity 1CAEAA304:						0	0	22,963	3,279	26,242	0	26,242

**Line Item 2 - Waste Disposal**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A								
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5R	MISC EXPENSES	0000	NONE	K281S	Building 771 Closure Project	Linear	22,963.20	Dollars
Factors	8	Intermodals	40	Dollars per Day	92	Days per Year	0.78	Budget Cuts	

**Line Item SYS - Contingency And Escalation**

BOE

WBS No: 1CAEAA03  
Activity ID: 1CAEAA304

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	1,074.01	Dollars
<i>Factors</i> 1074.01 Dollars									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	2,204.84	Dollars
<i>Factors</i> 2204.84 Dollars									

WBS No: 1CAEAA04	Title: Technical Support								
Activity ID: 1CAEAA400	Description: B771 / 774 Support Services, Technical - FY00	Cost Risk	1	Schedule Risk	1				

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Training	1.00	each	EE	5,825	5,825	124,554	92,287	0	216,841	60,782	277,623
3	Industrial Safety	1.00	each	EE	984	984	34,827	72,511	0	107,338	16,996	124,333
4	Quality Assurance	1.00	each	EE	1,318	1,318	48,595	0	0	48,595	23,715	72,310
5	Price Anderson	1.00	each	EE	329	329	8,622	0	0	8,622	4,207	12,829
Total for Activity 1CAEAA400:						8,457	216,598	164,798	0	381,396	105,700	487,095

**Line Item 1 - Training**

BOE	Surveillance and Maintenacne (S&M) team training expenses are entirely allocable to landlord activities.  All of the following are reduced by (82/227) in FY00: Training 126 D&D Workers X 72 Straight Time Hours = 9,072 Hours  16 Process Specialists/RRTs X 72 Straight Time Hours = 1,152 Hours  40 RCTs X 108 Straight Time Hours 4,320 Hours  22 Foremen (3 RCT Formen incl. No S&M Foreman) X 72 Hours = 1,584 Hours  Two (2) Trainers X 1,825 Hours X \$70 per hour = \$255,500
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	3,276.81	Hours
<i>Factors</i> 126 D&D Workers 72 Hours 0.3612 (82/227) Days applied to annual									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Linear	572.14	Hours
<i>Factors</i> 22 Foremen 72 Hours 0.3612 (82/227) Days applied to annual									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (P	KC10H	771 Complex Steelworkers	Linear	416.10	Hours
<i>Factors</i> 16 Process Specialists/RRTs 72 Hours 0.3612 (82/227) Days applied to annual									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLIGI	KC10H	771 Complex Steelworkers	Linear	1,560.38	Hours
<i>Factors</i> 40 RCTs 108 Hours 0.3612 (82/227) Days applied to annual									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Linear	92,286.60	Dollars
<i>Factors</i> 3650 Hours 70 Dollars per hour 0.3612 (82/227) Days applied to annual									

**Line Item 3 - Industrial Safety**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	325.08	Hours
<i>Factors</i> 900 Hours 0.3612 82/227 Days Union Safety Rep									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K281S	Building 771 Closure Project	Linear	659.19	Hours
<i>Factors</i> 1825 Hours Brooks 0.3612 82/227 Days									

WBS No: 1CAEAA04  
Activity ID: 1CAEAA400

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

A5H	SUBCONTRACTED SRVS	P090	INDUSTRIAL HYGIENISTS	R100S	RMRS Salaried	Linear	72,510.90	Dollars
Factors	3650	Hours Hooper McCafferty	55	Dollars per hr	0.3612	82/227Days		

**Line Item 4 - Quality Assurance**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A							
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	E110	QUALITY CONTROL ENGINEERS	K281S	Building 771 Closure Project	Linear	659.19	Hours
	Factors	1825	Hours Smith	0.3612 (82/227) Days					
	750	STRAIGHT TIME BASE	E110	QUALITY CONTROL ENGINEERS	R100S	RMRS Salaried	Linear	659.19	Hours
	Factors	1825	Hours Brooks	0.3612 (82/227) Days					

**Line Item 5 - Price Anderson**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A							
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Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE		P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Linear	328.69	Hours
	Factors	910	Hours Vacant	0.3612	(82/227) Days					

Activity ID: 1CAEAA401 Description: B771 / 774 Support Services, Technical - FY01

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Training	1.00	each	EE	16,128	16,128	344,834	255,500	0	600,334	164,486	764,820
3	Industrial Safety	1.00	each	EE	2,725	2,725	96,420	200,750	0	297,170	45,992	343,163
4	Quality Assurance	1.00	each	EE	3,650	3,650	134,539	0	0	134,539	64,175	198,714
5	Price Anderson	1.00	each	EE	910	910	23,869	0	0	23,869	11,386	35,255
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	71,144	71,144	0	71,144
Total for Activity 1CAEAA401:						23,413	599,662	456,250	71,144	1,127,057	286,039	1,413,096

**Line Item 1 - Training**

BOE	Surveillance and Maintenacne (S&M) team training expenses are entirely allocable to landlord activities.  Training 126 D&D Workers X 72 Straight Time Hours = 9,072 Hours  16 Process Specialists/RRTs X 72 Straight Time Hours = 1,152 Hours  40 RCTs X 108 Straight Time Hours 4,320 Hours  22 Foremen (3 RCT Foremen incl. No S&M Foreman) X 72 Hours = 1,584 Hours  Two (2) Trainers X 1,825 Hours X \$70 per hour = \$255,500							
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1CAEAA04  
Activity ID: 1CAEAA401

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*

Starts In FY \*

750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	9,072.00	Hours
Factors	126	D&D Workers	72	Hours				
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Linear	1,584.00	Hours
Factors	22	Foremen	72	Hours				
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (P	KC10H	771 Complex Steelworkers	Linear	1,152.00	Hours
Factors	16	Process Specialists/RRTs	72	Hours				
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KC10H	771 Complex Steelworkers	Linear	4,320.00	Hours
Factors	40	RCTs	108	Hours				
A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Linear	255,500.00	Dollars
Factors	3650	Hours	70	Dollars per hour				

**Line Item 3 - Industrial Safety**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	900.00	Hours
Factors	900	Hours	Union Safety Rep						
	750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K281S	Building 771 Closure Project	Linear	1,825.00	Hours
Factors	1825	Hours	Brooks						
	A5H	SUBCONTRACTED SRVS	P090	INDUSTRIAL HYGIENISTS	R100S	RMRS Salaried	Linear	200,750.00	Dollars
Factors	3650	Hours Hooper McCafferty	55	Dollars per hr					

**Line Item 4 - Quality Assurance**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	E110	QUALITY CONTROL ENGINEERS	K281S	Building 771 Closure Project	Linear	1,825.00	Hours
	Factors	1825	Hours	Smith					
	750	STRAIGHT TIME BASE	E110	QUALITY CONTROL ENGINEERS	R100S	RMRS Salaried	Linear	1,825.00	Hours
	Factors	1825	Hours	Brooks					

**Line Item 5 - Price Anderson**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A
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WBS No: 1CAEAA04  
Activity ID: 1CAEAA401

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Basis for adjustment - N/A

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	K281S Building 771 Closure Project	Linear	910.00	Hours

Factors 910 Hours Vacant

**Line Item SYS - Contingency And Escalation**

BOE

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	42,926.24	Dollars

Factors 42926.2 Dollars

ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	28,218.24	Dollars
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Factors 28218.2 Dollars

Activity ID: 1CAEAA402 Description: B771 / 774 Support Services, Technical - FY02

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Training	1.00	each	EE	16,128	16,128	344,834	255,500	0	600,334	121,726	722,060
3	Industrial Safety Lead	1.00	each	EE	2,725	2,725	96,420	200,750	0	297,170	34,036	331,207
4	Quality Assurance	1.00	each	EE	3,650	3,650	134,539	0	0	134,539	47,492	182,031
5	Price Anderson	1.00	each	EE	910	910	23,869	0	0	23,869	8,426	32,295
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	189,459	189,459	0	189,459
Total for Activity 1CAEAA402:						23,413	599,662	456,250	189,459	1,245,371	211,681	1,457,052

**Line Item 1 - Training**

BOE

Surveillance and Maintenacne (S&M) team training expenses are entirely allocable to landlord activities.

Training

126 D&D Workers X 72 Straight Time Hours = 9,072 Hours

16 Process Specialists/RRTs X 72 Straight Time Hours = 1,152 Hours

40 RCTs X 108 Straight Time Hours 4,320 Hours

22 Foremen (3 RCT Formen incl. No S&M Foreman) X 72 Hours = 1,584 Hours

Two (2) Trainers X 1,825 Hours X \$70 per hour = \$255,500

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120 D&D SKILLED TRADES	KC10H 771 Complex Steelworkers	Linear	9,072.00	Hours

Factors 126 D&D Workers

72 Hours

750	STRAIGHT TIME BASE	M010 FOREMEN / TEAM LEADS / GROUP	K281S Building 771 Closure Project	Linear	1,584.00	Hours
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Factors 22 Foremen

72 Hours

750	STRAIGHT TIME BASE	R010 CHEMICAL SYSTEMS OPERATOR (P	KC10H 771 Complex Steelworkers	Linear	1,152.00	Hours
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Factors 16 Process Specialists/RRTs

72 Hours

750	STRAIGHT TIME BASE	T050 RADIATION CONTROL TECHNOLIGI	KC10H 771 Complex Steelworkers	Linear	4,320.00	Hours
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Factors 40 RCTs

108 Hours

A5H	SUBCONTRACTED SRVS	P150 TRAINERS	K281S Building 771 Closure Project	Linear	255,500.00	Dollars
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Factors 3650 Hours

70 Dollars per hour

**Line Item 3 - Industrial Safety Lead**

BOE

Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning.

Experience Item Desc -

B-774 Project support as described in the activity description.

Breakdown of Cost Data:

Item - B-771 Project Controls as described in the activity description

Units - lot

Unit Cost = See Activity cost report

Unit Cost Adjustment factor - N/A

Revised Unit Cost - N/A

WBS No: 1CAEAA04  
Activity ID: 1CAEAA402

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Basis for adjustment - N/A

**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	900.00	Hours
Factors 900 Hours		Union Safety Rep						
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K281S	Building 771 Closure Project	Linear	1,825.00	Hours
Factors 1825 Hours		Brooks						
A5H	SUBCONTRACTED SRVS	P090	INDUSTRIAL HYGIENISTS	R100S	RMRS Salaried	Linear	200,750.00	Dollars
Factors 3650 Hours Hooper McCafferty		55 Dollars per hr						

**Line Item 4 - Quality Assurance**

**BOE**

Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning.  
Experience Item Desc -  
B-774 Project support as described in the activity description.  
Breakdown of Cost Data:  
Item - B-771 Project Controls as described in the activity description  
Units - lot  
Unit Cost = See Activity cost report  
Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	E110	QUALITY CONTROL ENGINEERS	K281S	Building 771 Closure Project	Linear	1,825.00	Hours
Factors 1825 Hours Smith								
750	STRAIGHT TIME BASE	E110	QUALITY CONTROL ENGINEERS	R100S	RMRS Salaried	Linear	1,825.00	Hours
Factors 1825 Hours Brooks								

**Line Item 5 - Price Anderson**

**BOE**

Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning.  
Experience Item Desc -  
B-774 Project support as described in the activity description.  
Breakdown of Cost Data:  
Item - B-771 Project Controls as described in the activity description  
Units - lot  
Unit Cost = See Activity cost report  
Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Linear	910.00	Hours
Factors 910 Hours Vacant								

**Line Item SYS - Contingency And Escalation**

**BOE**

**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	130,222.20	Dollars
Factors 130222 Dollars								
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	59,236.46	Dollars
Factors 59236.5 Dollars								

Activity ID: 1CAEAA403 Description: B771 / 774 Support Services, Technical - FY03

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Training	1.00	each	EE	7,805	7,805	170,168	204,400	0	374,568	58,878	433,446
3	Industrial Safety Lead	1.00	each	EE	2,180	2,180	77,136	160,600	0	237,736	26,689	264,425
4	Quality Assurance	1.00	each	EE	2,920	2,920	107,631	0	0	107,631	37,240	144,872
5	Price Anderson	1.00	each		728	728	19,095	0	0	19,095	6,607	25,702
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	240,774	240,774	0	240,774

WBS No: 1CAEAA04  
Activity ID: 1CAEAA403

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter

Baseline\_Devel  
1CAE  
\*

Starts In FY \*

Total for Activity 1CAEAA403:

13,633	374,031	365,000	240,774	979,804	129,415	1,109,219
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**Line Item 1 - Training**

<b>BOE</b> Surveillance and Maintenacne (S&M) team training expenses are entirely allocable to landlord activities.						
Training						
126 D&D Workers X 72 Straight Time Hours = 9,072 Hours						
16 Process Specialists/RRTs X 72 Straight Time Hours = 1,152 Hours						
40 RCTs X 108 Straight Time Hours 4,320 Hours						
22 Foremen (3 RCT Foremen incl. No S&M Foreman) X 72 Hours = 1,584 Hours						
Two (2) Trainers X 1,825 Hours X \$70 per hour = \$255,500						

**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	3,456.00	Hours
Factors	60	D&D Workers	72	Hours	0.8	Budget Cuts		
750	STRAIGHT TIME BASE	M010	FOREMEN / TEAM LEADS / GROUP	K281S	Building 771 Closure Project	Linear	1,267.20	Hours
Factors	22	Foremen	72	Hours	0.8	Budget Cuts		
750	STRAIGHT TIME BASE	R010	CHEMICAL SYSTEMS OPERATOR (P	KC10H	771 Complex Steelworkers	Linear	921.60	Hours
Factors	16	Process Specialists/RRTs	72	Hours	0.8	Budget Cuts		
750	STRAIGHT TIME BASE	T050	RADIATION CONTROL TECHNOLOGI	KC10H	771 Complex Steelworkers	Linear	2,160.00	Hours
Factors	25	RCTs	108	Hours	0.8	Budget Cuts		
A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Linear	204,400.00	Dollars
Factors	3650	Hours	70	Dollars per hour	0.8	Budget Cuts		

**Line Item 3 - Industrial Safety Lead**

<b>BOE</b> Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A						
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**Resources**

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	720.00	Hours
Factors	900	Hours	Union Safety Rep	0.8	Budget Cuts			
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K281S	Building 771 Closure Project	Linear	1,460.00	Hours
Factors	1825	Hours	Brooks	0.8	Budget Cuts			
A5H	SUBCONTRACTED SRVS	P090	INDUSTRIAL HYGIENISTS	R100S	RMRS Salaried	Linear	160,600.00	Dollars
Factors	3650	Hours Hooper McCafferty	55	Dollars per hr	0.8	Budget Cuts		

**Line Item 4 - Quality Assurance**

<b>BOE</b> Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc -						
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WBS No: 1CAEAA04  
Activity ID: 1CAEAA403

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

B-774 Project support as described in the activity description.  
Breakdown of Cost Data:  
Item - B-771 Project Controls as described in the activity description  
Units - lot  
Unit Cost = See Activity cost report  
Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources	Cost Element			Skill		Department		Curve	Quantity	Units	
	750	STRAIGHT TIME BASE		E110	QUALITY CONTROL ENGINEERS	K281S	Building 771 Closure Project	Linear	1,460.00	Hours	
<div>Factors1825HoursSmith</div>											
						0.8	Budget Cuts				
750	STRAIGHT TIME BASE		E110	QUALITY CONTROL ENGINEERS	R100S	RMRS Salaried		Linear	1,460.00	Hours	
<div>Factors1825HoursBrooks</div>											
						0.8	Budget Cuts				

**Line Item 5 - Price Anderson**

BOE

Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning.  
Experience Item Desc -  
B-774 Project support as described in the activity description.  
Breakdown of Cost Data:  
Item - B-771 Project Controls as described in the activity description  
Units - lot  
Unit Cost = See Activity cost report  
Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources

Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Linear	728.00	Hours
Factors	910	Hours Vacant						
				0.8	Budget Cuts			

**Line Item SYS - Contingency And Escalation**

BOE									
Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	174,176.70	Dollars
Factors 174177 Dollars									
		ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	66,596.97
		Factors	66597	Dollars					

Activity ID: 1CAEAA404 Description: B771 / 774 Support Services, Technical - FY04

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Training	1.00	each	EE	0	0	0	45,657	0	45,657	0	45,657
3	Industrial Safety Lead	1.00	each	EE	487	487	17,229	35,858	0	53,087	4,858	57,945
4	Quality Assurance	1.00	each	EE	652	652	24,031	0	0	24,031	6,777	30,808
5	Price Anderson	1.00	each	EE	163	163	4,264	0	0	4,264	1,202	5,466
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	19,973	19,973	0	19,973
Total for Activity 1CAEAA404:						1,301	45,524	81,515	19,973	147,011	12,838	159,849

**Line Item 1 - Training**

BOE	Surveillance and Maintenacne (S&M) team training expenses are entirely allocable to landlord activities.									
	All of the following are reduced by (52/117) in FY 04: Project Training 126 D&D Workers X 72 Straight Time Hours = 9,072 Hours  16 Process Specialists/RRTs X 72 Straight Time Hours = 1,152 Hours									

WBS No: 1CAEAA04  
Activity ID: 1CAEAA404

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

40 RCTs X 108 Straight Time Hours 4,320 Hours  
22 Foremen (3 RCT Formen incl. No S&M Foreman) X 72 Hours = 1,584 Hours  
Two (2) Trainers X 1,825 Hours X \$70 per hour = \$255,500

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Linear	45,657.34Dollars
Factors	3650	Hours	70	Dollars per hour	0.2291	(52/227) days applied to annual	
					0.78	Budget Cuts	

**Line Item 3 - Industrial Safety Lead**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A						
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Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	160.76Hours
Factors	900	Hours	Union Safety Rep	0.229	52/227 Days		
				0.78	Budget Cuts		
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K281S	Building 771 Closure Project	Linear	326.12Hours
Factors	1825	Hours Brooks	0.2291	(52/227) Days			
				0.78	Budget Cuts		
A5H	SUBCONTRACTED SRVS	P090	INDUSTRIAL HYGIENISTS	R100S	RMRS Salaried	Linear	35,857.96Dollars
Factors	3650	Hours Hooper McCafferty	55	Dollars per hr	0.229	52/227 Days	
					0.78	Budget Cuts	

**Line Item 4 - Quality Assurance**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A						
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Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	E110	QUALITY CONTROL ENGINEERS	K281S	Building 771 Closure Project	Linear	325.98Hours
Factors	1825	Hours Smith	0.229	(52/227) Days			
				0.78	Budget Cuts		
750	STRAIGHT TIME BASE	E110	QUALITY CONTROL ENGINEERS	R100S	RMRS Salaried	Linear	325.98Hours
Factors	1825	Hours Brooks	0.229	(52/227) Days			
				0.78	Budget Cuts		

**Line Item 5 - Price Anderson**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description						
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WBS No: 1CAEAA04  
Activity ID: 1CAEAA404

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Units - lot  
Unit Cost = See Activity cost report  
Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Linear	162.54	Hours
	Factors	910	Hours Vacant	0.229	(52/220) Days	0.78	Budget Cuts		

**Line Item SYS - Contingency And Escalation**

**BOE**

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	6,542.17	Dollars
	Factors	6542.17 Dollars							
	ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	13,430.42	Dollars
	Factors	13430.4 Dollars							

Activity ID: 1CXXXAA404 Description: B771 / 774 Support Services, Technical - End

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Training	1.79	each	EE	0	0	0	81,531	0	81,531	0	81,531
3	Industrial Safety Lead	1.79	each	EE	487	869	30,765	64,032	0	94,798	8,676	103,473
4	Quality Assurance	1.79	each	EE	652	1,164	42,913	0	0	42,913	12,102	55,015
5	Price Anderson	1.79	each	EE	163	290	7,613	0	0	7,613	2,147	9,760
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	35,665	35,665	0	35,665
Total for Activity 1CXXXAA404:						2,324	81,292	145,563	35,665	262,520	22,924	285,445

**Line Item 1 - Training**

**BOE**

Surveillance and Maintenacne (S&M) team training expenses are entirely allocable to landlord activities.

All of the following are reduced by (52/117) in FY 04:  
Project Training  
126 D&D Workers X 72 Straight Time Hours = 9,072 Hours  
  
16 Process Specialists/RRTs X 72 Straight Time Hours = 1,152 Hours  
  
40 RCTs X 108 Straight Time Hours 4,320 Hours  
  
22 Foremen (3 RCT Foremen incl. No S&M Foreman) X 72 Hours = 1,584 Hours  
  
Two (2) Trainers X 1,825 Hours X \$70 per hour = \$255,500

Resources	Cost Element		Skill		Department		Curve	Quantity	Units
	A5H	SUBCONTRACTED SRVS	P150	TRAINERS	K281S	Building 771 Closure Project	Linear	45,657.34	Dollars
	Factors	3650	Hours	70	Dollars per hour	0.2291	(52/227) days applied to annual		
						0.78	Budget Cuts		

**Line Item 3 - Industrial Safety Lead**

**BOE**

Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning.  
Experience Item Desc -  
B-774 Project support as described in the activity description.  
Breakdown of Cost Data:  
Item - B-771 Project Controls as described in the activity description  
Units - lot  
Unit Cost = See Activity cost report  
Unit Cost Adjustment factor - N/A  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1CAEAA04  
Activity ID: 1CXXAA404

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Devel  
1CAE  
\*  
Starts In FY \*

750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	160.76	Hours
Factors	900	Hours	Union Safety Rep	0.229	52/227 Days			
				0.78	Budget Cuts			
750	STRAIGHT TIME BASE	M030	MANAGEMENT INTEGRATORS (GR	K281S	Building 771 Closure Project	Linear	326.12	Hours
Factors	1825	Hours Brooks	0.2291	(52/227) Days				
				0.78	Budget Cuts			
A5H	SUBCONTRACTED SRVS	P090	INDUSTRIAL HYGIENISTS	R100S	RMRS Salaried	Linear	35,857.96	Dollars
Factors	3650	Hours Hooper McCafferty	55	Dollars per hr	0.229	52/227 Days		
					0.78	Budget Cuts		

**Line Item 4 - Quality Assurance**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A							
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Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE		E110	QUALITY CONTROL ENGINEERS	K281S	Building 771 Closure Project	Linear	325.98	Hours
Factors	1825	Hours	Smith	0.229	(52/227) Days	0.78	Budget Cuts			
	750	STRAIGHT TIME BASE		E110	QUALITY CONTROL ENGINEERS	R100S	RMRS Salaried	Linear	325.98	Hours
Factors	1825	Hours	Brooks	0.229	(52/227) Days	0.78	Budget Cuts			

**Line Item 5 - Price Anderson**

BOE	Estimators Experience - Brian Larsen has developed project scopes and estimates for many projects at RFETS including the solution bottle disposition low level tank drain, high level tank drain, B-771 re-engineering, and B-771/774 decommissioning. Experience Item Desc - B-774 Project support as described in the activity description. Breakdown of Cost Data: Item - B-771 Project Controls as described in the activity description Units - lot Unit Cost = See Activity cost report Unit Cost Adjustment factor - N/A Revised Unit Cost - N/A Basis for adjustment - N/A							
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Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	750	STRAIGHT TIME BASE		P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Linear	162.54	Hours
	Factors	910	Hours Vacant	0.229	(52/220) Days	0.78	Budget Cuts			

**Line Item SYS - Contingency And Escalation**

BOE										
Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY		0000	NONE	ZDEPT	No Department	Linear	11,682.45	Dollars
	Factors		11682.5 Dollars							
	ESC	ESCALATION		0000	NONE	ZDEPT	No Department	Linear	23,982.89	Dollars
	Factors		23982.9 Dollars							

WBS No:	1CAEAA05	Title:	Property Management/Equipment/Consumable	Cost Risk	1	Schedule Risk	1
Activity ID:	1CAEAA500	Description:	B771 / 774 Suppt Serv, Prop/Equip/Consum' - FY00				

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
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WBS No: 1CAEAA05  
Activity ID: 1CAEAA500

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

1	Dismantlement Consumables	1.00	each	HC	0	0	0	693,720	0	693,720	0	693,720
2	Deactivation Consumables	1.00	each	HC	0	0	0	215,332	0	215,332	0	215,332
3	Procurement	1.00	each	EE	1,978	1,978	56,084	44,166	0	100,250	27,369	127,619
4	Property Management	1.00	each	EE	2,853	2,853	65,474	46,143	0	111,617	31,951	143,569
5	Leased Equipment	1.00	each	EE	0	0	0	120,800	0	120,800	0	120,800
Total for Activity 1CAEAA500:					4,831	121,558	1,120,161	0	1,241,719	59,320	1,301,039	

**Line Item 1 - Dismantlement Consumables**

BOE	Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 D&D activities. Query 11061004* without 1106100495. Item Desc - Consumable D&D items Breakdown of Historical Data: Item - Units - lot Unit Cost - Actual cost was \$8,460 per accounting day. Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Linear	693,720.00	Dollars		
Factors	82	Days	8460	Dollars						

**Line Item 2 - Deactivation Consumables**

BOE	Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 (liquids) deactivation activities. Item Desc - Consumable items Breakdown of Historical Data: Item - Units - lot Unit Cost - Actual cost was \$2,626 per accounting day. Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Linear	215,332.00	Dollars		
Factors	2626	Dollars	82	Accounting Days						

**Line Item 3 - Procurement**

BOE	Two matrixed procurement (subcontract administrators) X 1,825 hours = 3,650 hours.											
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K264S	Procurement Systems	Linear	1,318.38	Hours		
Factors	1825	Hours	2	Procurement Lead and Buyer	0.3612 (82/227) Days					
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K281S	Building 771 Closure Project	Linear	659.19	Hours		
Factors	1825	Hours	Tourigney	0.3612 (82/227) Days						
A5H	SUBCONTRACTED SRVS	P030	BUYERS PROCUREMENT AND CON	K281S	Building 771 Closure Project	Linear	44,165.73	Dollars		
Factors	1825	Hours	67	Dollars per hour Maydew	0.3612 (82/227) Days					

**Line Item 4 - Property Management**

BOE	One (1) D&D Propoerty Management Administrator, to disposition property removed X 1,825 Hours = 1,825 Hours One (1) Logistics Administrator X 1,825 Hours - 1,825 Hours  Three (3) hourly tools and supplies administrators who issue, order, and administer tools needed for D&D work. 3 X 1,825 hours = 5,475 hours											
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	1,977.57	Hours		
Factors	5475	Hours Florez, Colon, Streeter	0.3612	82/227						
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Linear	659.19	Hours		
Factors	1825	Hours	0.3612 (82/227) Days Reese							
751	OVERTIME BASE & PRE.	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	216.72	Hours		
Factors	600	Hours Florez, Colon, Streeter	0.3612	82/227						

WBS No: 1CAEAA05  
Activity ID: 1CAEAA500

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

A5H	SUBCONTRACTED SRVS	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Linear	46,143.30	Dollars
Factors	1825 Hours	70	Dollars per hour Reynolds	0.3612	82/227			

**Line Item 5 - Leased Equipment**

BOE	In FY00, three (3) trailers will be reloacted to the 771 complex. The estimated cost of set-up including moving, wiring, skirt installation, telephones, etc is \$110,000. The detailed estimate resides in T771J. No lease costs will be incurred because the site owns the trailers.
	A crane and its crew will be requisitioned from KH Construction to load waste containers onto a flat-bed truck. The hourly rate is \$225 and it will be needed 6 times in FY00. (6 X 8 hours X \$225) = \$10,800.

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A5H	SUBCONTRACTED SRVS	0000 NONE	K281S Building 771 Closure Project	Linear	110,000.00	Dollars
Factors	110000 Dollars	Trailer Move				
A5L	RENTALS	0000 NONE	K281S Building 771 Closure Project	Linear	10,800.00	Dollars
Factors	10800 Dollars					

Activity ID: 1CAEAA501 Description: B771 / 774 Suppt Serv, Prop/Equip/Consum' - FY01

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Dismantlement Consumables	1.00	each	HC	0	0	0	1,920,420	0	1,920,420	0	1,920,420
2	Deactivation Consumables	1.00	each	HC	0	0	0	596,102	0	596,102	0	596,102
3	Procurement	1.00	each	EE	5,475	5,475	155,271	122,275	0	277,546	74,064	351,610
4	Property Management	1.00	each	EE	7,900	7,900	181,268	127,750	0	309,019	86,465	395,484
5	Leased Equipment	1.00	each	EE	0	0	0	45,000	0	45,000	0	45,000
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	175,409	175,409	0	175,409
Total for Activity 1CAEAA501:						13,375	336,540	2,811,547	175,409	3,323,495	160,529	3,484,024

**Line Item 1 - Dismantlement Consumables**

BOE	Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 D&D activities. Query 11061004* without 1106100495. Item Desc - Consumable D&D items Breakdown of Historical Data: Item - Units - lot Unit Cost - Actual cost was \$8,460 per accounting day. Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A5C	SUPPLIES	0000 NONE	K281S Building 771 Closure Project	Linear	1,920,420.00	Dollars
Factors	227 Days	8460 Dollars				

**Line Item 2 - Deactivation Consumables**

BOE	Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 (liquids) deactivation activities. Item Desc - Consumable items Breakdown of Historical Data: Item - Units - lot Unit Cost - Actual cost was \$2,626 per accounting day. Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A5C	SUPPLIES	0000 NONE	K281S Building 771 Closure Project	Linear	596,102.00	Dollars
Factors	2626 Dollars	227 Accounting Days				

**Line Item 3 - Procurement**

BOE	Two procurement (subcontract administrators) X 1,825 hours = 3,650 hours
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
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WBS No: 1CAEAA05  
Activity ID: 1CAEAA501

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K264S	Procurement Systems	Linear	3,650.00	Hours
Factors	1825	Hours	2	Procurement Lead and Buyer				
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K281S	Building 771 Closure Project	Linear	1,825.00	Hours
Factors	1825	Hours	Tourigney					
A5H	SUBCONTRACTED SRVS	P030	BUYERS PROCUREMENT AND CON	K281S	Building 771 Closure Project	Linear	122,275.00	Dollars
Factors	1825	Hours	67	Dollars per hour Maydew				

**Line Item 4 - Property Management**

**BOE** One (1) D&D Propoerty Management Administrator, to disposition property removed X 1,825 Hours = 1,825 Hours  
One (1) Logistics Administrator X 1,825 Hours - 1,825 Hours  
Three (3) hourly tools and supplies administrators. They issue, order, and administer tools needed for D&D work. 3 X 1,825 hours = 5,475 hours

<b>Resources</b>		<i>Cost Element</i>	<i>Skill</i>	<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	5,475.00	Hours
Factors	5475	Hours	Florez, Colon, Streeter					
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Linear	1,825.00	Hours
Factors	1825	Hours	Reese					
751	OVERTIME BASE & PRE.	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	600.00	Hours
Factors	600	Hours	Florez, Colon, Streeter					
A5H	SUBCONTRACTED SRVS	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Linear	127,750.00	Dollars
Factors	1825	Hours	70	Dollars per hour Reynolds				

**Line Item 5 - Leased Equipment**

**BOE** A crane and its crew will be requisitioned from KH Construction to load waste containers onto a flat-bed truck. The hourly rate is \$225 and it will be needed 25 times in FY00. (25 X 8 hours X \$225) = \$45,000

<b>Resources</b>		<i>Cost Element</i>	<i>Skill</i>	<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
A5L	RENTALS	0000	NONE	K281S	Building 771 Closure Project	Linear	45,000.00	Dollars
Factors	45000	Dollars						

**Line Item SYS - Contingency And Escalation**

<b>Resources</b>		<i>Cost Element</i>	<i>Skill</i>	<i>Department</i>		<i>Curve</i>	<i>Quantity</i>	<i>Units</i>
CON	CONTINGENCY	0000	NONE	ZDEPT	No Department	Linear	105,835.80	Dollars
Factors	105836	Dollars						
ESC	ESCALATION	0000	NONE	ZDEPT	No Department	Linear	69,572.79	Dollars
Factors	69572.8	Dollars						

**Activity ID: 1CAEAA502** Description: B771 / 774 Suppt Serv, Prop/Equip/Consum' - FY02

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Dismantlement Consumables	1.00	each	HC	0	0	0	1,920,420	0	1,920,420	0	1,920,420
2	Deactivation Consumables	1.00	each	HC	0	0	0	596,102	0	596,102	0	596,102
3	Procurement	1.00	each	EE	5,475	5,475	155,271	122,275	0	277,546	54,811	332,357
4	Property Management	1.00	each	EE	7,900	7,900	181,268	127,750	0	309,019	63,988	373,006
5	Leased Equipment	1.00	each	EE	0	0	0	72,000	0	72,000	0	72,000
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	492,315	492,315	0	492,315
Total for Activity 1CAEAA502:						13,375	336,540	2,838,547	492,315	3,667,401	118,798	3,786,200

**Line Item 1 - Dismantlement Consumables**

**BOE** Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 D&D activities. Query 11061004\* without 1106100495.  
Item Desc - Consumable D&D items  
Breakdown of Historical Data:  
Item -  
Units - lot  
Unit Cost - Actual cost was \$8,460 per accounting day.  
Unit Cost Adjustment factor - None  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

WBS No: 1CAEAA05  
Activity ID: 1CAEAA502

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project  
WBS Filter  
Activity Filter  
Baseline\_Develop  
1CAE  
\*

Starts In FY \*

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A5C	SUPPLIES	0000 NONE	K281S Building 771 Closure Project	Linear	1,920,420.00	Dollars
Factors	227 Days	8460 Dollars				

**Line Item 2 - Deactivation Consumables**

BOE	Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 (liquids) deactivation activities. Item Desc - Consumable items Breakdown of Historical Data: Item - Units - lot Unit Cost - Actual cost was \$2,626 per accounting day. Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A					
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A5C	SUPPLIES	0000 NONE	K281S Building 771 Closure Project	Linear	596,102.00	Dollars
Factors	2626 Dollars	227 Accounting Days				

**Line Item 3 - Procurement**

BOE	Two procurement (subcontract administrators) X 1,825 hours = 3,650 hours					
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	K264S Procurement Systems	Linear	3,650.00	Hours
Factors	1825 Hours	2 Procurement Lead and Buyer				
750	STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	K281S Building 771 Closure Project	Linear	1,825.00	Hours
Factors	1825 Hours	Tourigney				
A5H	SUBCONTRACTED SRVS	P030 BUYERS PROCUREMENT AND CON	K281S Building 771 Closure Project	Linear	122,275.00	Dollars
Factors	1825 Hours	67 Dollars per hour Maydew				

**Line Item 4 - Property Management**

BOE	One (1) D&D Propoerty Management Administrator, to disposition property removed X 1,825 Hours = 1,825 Hours One (1) Logistics Administrator X 1,825 Hours - 1,825 Hours  Three (3) hourly tools and supplies administrators. They issue, order, and administer tools needed for D&D work. 3 X 1,825 hours = 5,475 hours					
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120 D&D SKILLED TRADES	KC10H 771 Complex Steelworkers	Linear	5,475.00	Hours
Factors	5475 Hours Florez, Colon, Streeter					
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	K281S Building 771 Closure Project	Linear	1,825.00	Hours
Factors	1825 Hours	Reese				
751	OVERTIME BASE & PRE.	C120 D&D SKILLED TRADES	KC10H 771 Complex Steelworkers	Linear	600.00	Hours
Factors	600 Hours Florez, Colon, Streeter					
A5H	SUBCONTRACTED SRVS	P170 OTHER ADMINISTRATIVE & PROFE	K281S Building 771 Closure Project	Linear	127,750.00	Dollars
Factors	1825 Hours	70 Dollars per hour Reynolds				

**Line Item 5 - Leased Equipment**

BOE	A crane and its crew will be requisitioned from KH Construction to load waste containers onto a flat-bed truck. The hourly rate is \$225 and it will be needed 40 times in FY02. (40 X 8 hours X \$225) = \$72,000					
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A5L	RENTALS	0000 NONE	K281S Building 771 Closure Project	Linear	72,000.00	Dollars
Factors	72000 Dollars					

**Line Item SYS - Contingency And Escalation**

BOE						
Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	338,386.80	Dollars
Factors	338387 Dollars					
ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	153,928.00	Dollars
Factors	153928 Dollars					

WBS No: 1CAEAA05  
Activity ID: 1CAEAA503

## Rocky Flats Closure Project

### Baseline Cost and Basis of Estimate

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

Activity ID: 1CAEAA503 Description: B771 / 774 Suppt Serv, Prop/Equip/Consum' - FY03

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Dismantlement Consumables	1.00	each	HC	0	0	0	768,168	0	768,168	0	768,168
2	Deactivation Consumables	1.00	each	HC	0	0	0	476,882	0	476,882	0	476,882
3	Procurement	1.00	each	EE	4,380	4,380	124,217	97,820	0	222,037	42,979	265,016
4	Property Management	1.00	each	EE	6,320	6,320	145,015	102,200	0	247,215	50,175	297,390
5	Leased Equipment	1.00	each	EE	0	0	0	28,800	0	28,800	0	28,800
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	0	509,096	509,096	0	509,096
Total for Activity 1CAEAA503:						10,700	269,232	1,473,870	509,096	2,252,197	93,154	2,345,351

#### Line Item 1 - Dismantlement Consumables

BOE	Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 D&D activities. Query 11061004* without 1106100495. Item Desc - Consumable D&D items Breakdown of Historical Data: Item - Units - lot Unit Cost - Actual cost was \$8,460 per accounting day. Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A5C	SUPPLIES	0000 NONE	K281S Building 771 Closure Project	Linear	768,168.00	Dollars
Factors	227 Days	8460 Dollars	0.5 Reduction Factor	Supplies incl in fixed price demo		
			0.8 Budget Cuts			

#### Line Item 2 - Deactivation Consumables

BOE	Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 (liquids) deactivation activities. Item Desc - Consumable items Breakdown of Historical Data: Item - Units - lot Unit Cost - Actual cost was \$2,626 per accounting day. Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
A5C	SUPPLIES	0000 NONE	K281S Building 771 Closure Project	Linear	476,881.60	Dollars
Factors	2626 Dollars	227 Accounting Days	0.8 Budget Cuts			

#### Line Item 3 - Procurement

BOE	Two procurement (subcontract administrators) X 1,825 hours = 3,650 hours											
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Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	K264S Procurement Systems	Linear	2,920.00	Hours
Factors	1825 Hours	2 Procurement Lead and Buyer	0.8 Budget Cuts			
750	STRAIGHT TIME BASE	P030 BUYERS PROCUREMENT AND CON	K281S Building 771 Closure Project	Linear	1,460.00	Hours
Factors	1825 Hours	Tourigney	0.8 Budget Cuts			
A5H	SUBCONTRACTED SRVS	P030 BUYERS PROCUREMENT AND CON	K281S Building 771 Closure Project	Linear	97,820.00	Dollars
Factors	1825 Hours	67 Dollars per hour Maydew	0.8 Budget Cuts			

#### Line Item 4 - Property Management

BOE	One (1) D&D Propoerty Management Administrator, to disposition property removed X 1,825 Hours = 1,825 Hours One (1) Logistics Administrator X 1,825 Hours - 1,825 Hours											
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WBS No: 1CAEAA05  
Activity ID: 1CAEAA503

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \* Starts In FY \*

Three (3) hourly tools and supplies administrators. They issue, order, and administer tools needed for D&D work. 3 X 1,825 hours = 5,475 hours

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H 771 Complex Steelworkers	Linear	4,380.00	Hours
Factors		5475	Hours Florez, Colon, Streeter	0.8	Budget Cuts		
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S Building 771 Closure Project	Linear	1,460.00	Hours
Factors		1825	Hours Reese	0.8	Budget Cuts		
751	OVERTIME BASE & PRE.	C120	D&D SKILLED TRADES	KC10H 771 Complex Steelworkers	Linear	480.00	Hours
Factors		600	Hours Florez, Colon, Streeter	0.8	Budget Cuts		
A5H	SUBCONTRACTED SRVS	P170	OTHER ADMINISTRATIVE & PROFE	K281S Building 771 Closure Project	Linear	102,200.00	Dollars
Factors		1825	Hours 70 Dollars per hour Reynolds	0.8	Budget Cuts		

**Line Item 5 - Leased Equipment**

BOE A crane and its crew will be requisitioned from KH Construction to load waste containers onto a flat-bed truck. The hourly rate is \$225 and it will be needed 20 times in FY03. (20 X 8 hours X \$225) = \$36,000.

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
A5L	RENTALS	0000	NONE	K281S Building 771 Closure Project	Linear	28,800.00	Dollars
Factors		36000	Dollars	0.8	Budget Cuts		

**Line Item SYS - Contingency And Escalation**

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000	NONE	ZDEPT No Department	Linear	368,282.10	Dollars
Factors		368282	Dollars				
ESC	ESCALATION	0000	NONE	ZDEPT No Department	Linear	140,813.70	Dollars
Factors		140814	Dollars				

Activity ID: 1CAEAA504 Description: B771 / 774 Suppt Serv, Prop/Equip/Consum' - FY04

Cost Risk 1 Schedule Risk 1

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Dismantlement Consumables	1.00	each	HC	0	0	0	171,569	0	171,569	0	171,569
2	Deactivation Consumables	1.00	each	HC	0	0	0	106,511	0	106,511	0	106,511
3	Procurement	1.00	each	EE	978	978	27,735	21,841	0	49,575	7,821	57,396
4	Property Management	1.00	each	EE	1,411	1,411	32,378	22,819	0	55,197	9,131	64,328
SYS	Contingency And Escalation	1.00	ea	EE	0	0	0	57,087	57,087	57,087	0	57,087
Total for Activity 1CAEAA504:						2,389	60,113	322,739	57,087	439,938	16,952	456,890

**Line Item 1 - Dismantlement Consumables**

BOE Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 D&D activities. Query 11061004\* without 1106100495.  
Item Desc - Consumable D&D items  
Breakdown of Historical Data:  
Item -  
Units - lot  
Unit Cost - Actual cost was \$8,460 per accounting day.  
Unit Cost Adjustment factor - None  
Revised Unit Cost - N/A  
Basis for adjustment - N/A

Resources		Cost Element	Skill	Department	Curve	Quantity	Units
A5C	SUPPLIES	0000	NONE	K281S Building 771 Closure Project	Linear	171,568.80	Dollars
Factors		52	Days 8460 Dollars	0.5	Reduction Factor		
				0.78	Budget Cuts		
							Supplies incl in fixed price demo



WBS No: 1CAEAA05  
Activity ID: 1CAEAA504

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devl  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

**Line Item 2 - Deactivation Consumables**

BOE	Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 (liquids) deactivation activities. Item Desc - Consumable items Breakdown of Historical Data: Item - Units - lot Unit Cost - Actual cost was \$2,626 per accounting day. Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A					
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Resources			Cost Element	Skill	Department	Curve	Quantity	Units
A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Linear	106,510.60	Dollars
Factors	2626	Dollars	52	Accounting Days	0.78	Budget Cuts		

**Line Item 3 - Procurement**

BOE	Two procurement (subcontract administrators) X 1,825 hours = 3,650 hours					
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Resources			Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K264S	Procurement Systems	Linear	651.96	Hours
Factors	1825	Hours	2	Procurement Lead and Buyer	0.229 (52/227) Days			
					0.78 Budget Cuts			
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K281S	Building 771 Closure Project	Linear	325.98	Hours
Factors	1825	Hours		Tournigny	0.229 (52/227) Days			
					0.78 Budget Cuts			
A5H	SUBCONTRACTED SRVS	P030	BUYERS PROCUREMENT AND CON	K281S	Building 771 Closure Project	Linear	21,840.76	Dollars
Factors	1825	Hours	67	Dollars per hour Maydew	0.229 (52/227) Days			
					0.78 Budget Cuts			

**Line Item 4 - Property Management**

BOE	One (1) D&D Propoerty Management Administrator, to disposition property removed X 1,825 Hours = 1,825 Hours One (1) Logistics Administrator X 1,825 Hours - 1,825 Hours  Three (3) hourly tools and supplies administrators. They issue, order, and administer tools needed for D&D work. 3 X 1,825 hours = 5,475 hours					
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Resources			Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	977.94	Hours
Factors	5475	Hours Florez, Colon, Streeter	0.229	52/227	0.78 Budget Cuts			
750	STRAIGHT TIME BASE	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Linear	325.98	Hours
Factors	1825	Hours	0.229	(52/227 Days) Reese	0.78 Budget Cuts			
751	OVERTIME BASE & PRE.	C120	D&D SKILLED TRADES	KC10H	771 Complex Steelworkers	Linear	107.17	Hours
Factors	600	Hours Florez, Colon, Streeter	0.229	52/227	0.78 Budget Cuts			
A5H	SUBCONTRACTED SRVS	P170	OTHER ADMINISTRATIVE & PROFE	K281S	Building 771 Closure Project	Linear	22,818.71	Dollars
Factors	1825	Hours	70	Dollars per hour Reynolds	0.229 (52/227) Days			
					0.78 Budget Cuts			

**Line Item SYS - Contingency And Escalation**

BOE										
Resources	Cost Element			Skill		Department		Curve	Quantity	Units
	CON	CONTINGENCY		0000	NONE	ZDEPT	No Department	Linear	18,699.21	Dollars
	Factors 18699.2 Dollars									
	ESC	ESCALATION		0000	NONE	ZDEPT	No Department	Linear	38,387.62	Dollars
	Factors 38387.6 Dollars									

Activity ID: 1CXXXAA504 Description: B771 / 774 Suppt Serv, Prop/Equip/Consum' - End

Cost Risk 1 Schedule Risk 1

WBS No: 1CAEAA05  
Activity ID: 1CXXAA504

**Rocky Flats Closure Project**  
**Baseline Cost and Basis of Estimate**

Project Baseline\_Devel  
WBS Filter 1CAE  
Activity Filter \*

Starts In FY \*

Line Item	Description	Quantity	Units	BOE Type	Labor Hours/Unit	Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
1	Dismantlement Consumables	1.79	each	HC	0	0	0	306,373	0	306,373	0	306,373
2	Deactivation Consumables	1.79	each	HC	0	0	0	190,197	0	190,197	0	190,197
3	Procurement	1.79	each	EE	978	1,746	49,526	39,001	0	88,527	13,966	102,494
4	Property Management	1.79	each	EE	1,411	2,520	57,818	40,748	0	98,566	16,305	114,871
SYS	Contingency And Escalation	1.00	lea	EE	0	0	0	0	101,941	101,941	0	101,941
Total for Activity 1CXXAA504:						4,266	107,344	576,319	101,941	785,604	30,271	815,875

**Line Item 1 - Dismantlement Consumables**

BOE	Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 D&D activities. Query 11061004* without 1106100495. Item Desc - Consumable D&D items Breakdown of Historical Data: Item - Units - lot Unit Cost - Actual cost was \$8,460 per accounting day. Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Linear			171,568.80	Dollars
Factors	52	Days	8460	Dollars	0.5	Reduction Factor			Supplies incl in fixed price demo	
					0.78	Budget Cuts				

**Line Item 2 - Deactivation Consumables**

BOE	Historical Data Source - Peoplesoft actual cost data on cost with "MATER" resource type incurred from 10/1/1999 until 4/23/00 on B771 (liquids) deactivation activities. Item Desc - Consumable items Breakdown of Historical Data: Item - Units - lot Unit Cost - Actual cost was \$2,626 per accounting day. Unit Cost Adjustment factor - None Revised Unit Cost - N/A Basis for adjustment - N/A											
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
A5C	SUPPLIES	0000	NONE	K281S	Building 771 Closure Project	Linear			106,510.60	Dollars
Factors	2626	Dollars	52	Accounting Days	0.78	Budget Cuts				

**Line Item 3 - Procurement**

BOE	Two procurement (subcontract administrators) X 1,825 hours = 3,650 hours											
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Resources		Cost Element		Skill		Department		Curve	Quantity	Units
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K264S	Procurement Systems	Linear			651.96	Hours
Factors	1825	Hours	2	Procurement Lead and Buyer	0.229	(52/227) Days				
					0.78	Budget Cuts				
750	STRAIGHT TIME BASE	P030	BUYERS PROCUREMENT AND CON	K281S	Building 771 Closure Project	Linear			325.98	Hours
Factors	1825	Hours		Tourigney	0.229	(52/227) Days				
					0.78	Budget Cuts				
A5H	SUBCONTRACTED SRVS	P030	BUYERS PROCUREMENT AND CON	K281S	Building 771 Closure Project	Linear			21,840.76	Dollars
Factors	1825	Hours	67	Dollars per hour Maydew	0.229	(52/227) Days				
					0.78	Budget Cuts				

**Line Item 4 - Property Management**

BOE	One (1) D&D Propoerty Management Administrator, to disposition property removed X 1,825 Hours = 1,825 Hours One (1) Logistics Administrator X 1,825 Hours - 1,825 Hours  Three (3) hourly tools and supplies administrators. They issue, order, and administer tools needed for D&D work. 3 X 1,825 hours = 5,475 hours											
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WBS No: 1CAEAA05  
Activity ID: 1CXXXAA504

## Rocky Flats Closure Project

### Baseline Cost and Basis of Estimate

Project  
WBS Filter  
Activity Filter

Baseline\_Devel  
1CAE  
\*

Starts In FY \*

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
750	STRAIGHT TIME BASE	C120 D&D SKILLED TRADES	KC10H 771 Complex Steelworkers	Linear	977.94	Hours
Factors	5475 Hours Florez, Colon, Streeter	0.229 52/227	0.78 Budget Cuts			
750	STRAIGHT TIME BASE	P170 OTHER ADMINISTRATIVE & PROFE	K281S Building 771 Closure Project	Linear	325.98	Hours
Factors	1825 Hours	0.229 (52/227 Days) Reese	0.78 Budget Cuts			
751	OVERTIME BASE & PRE.	C120 D&D SKILLED TRADES	KC10H 771 Complex Steelworkers	Linear	107.17	Hours
Factors	600 Hours Florez, Colon, Streeter	0.229 52/227	0.78 Budget Cuts			
A5H	SUBCONTRACTED SRVS	P170 OTHER ADMINISTRATIVE & PROFE	K281S Building 771 Closure Project	Linear	22,818.71	Dollars
Factors	1825 Hours	70 Dollars per hour Reynolds	0.229 (52/227) Days			
			0.78 Budget Cuts			

### Line Item SYS - Contingency And Escalation

Resources	Cost Element	Skill	Department	Curve	Quantity	Units
CON	CONTINGENCY	0000 NONE	ZDEPT No Department	Linear	33,391.46	Dollars
Factors	33391.5 Dollars					
ESC	ESCALATION	0000 NONE	ZDEPT No Department	Linear	68,549.32	Dollars
Factors	68549.3 Dollars					

### Report Totals:

Labor Hours Total	Labor Cost Total	Materials/ Sub Cost	Contingency & Escalation	Total Prime Cost	Burden Cost	Total Cost
218,767	6,084,691	22,655,630	3,596,763	32,337,084	2,514,410	34,851,493